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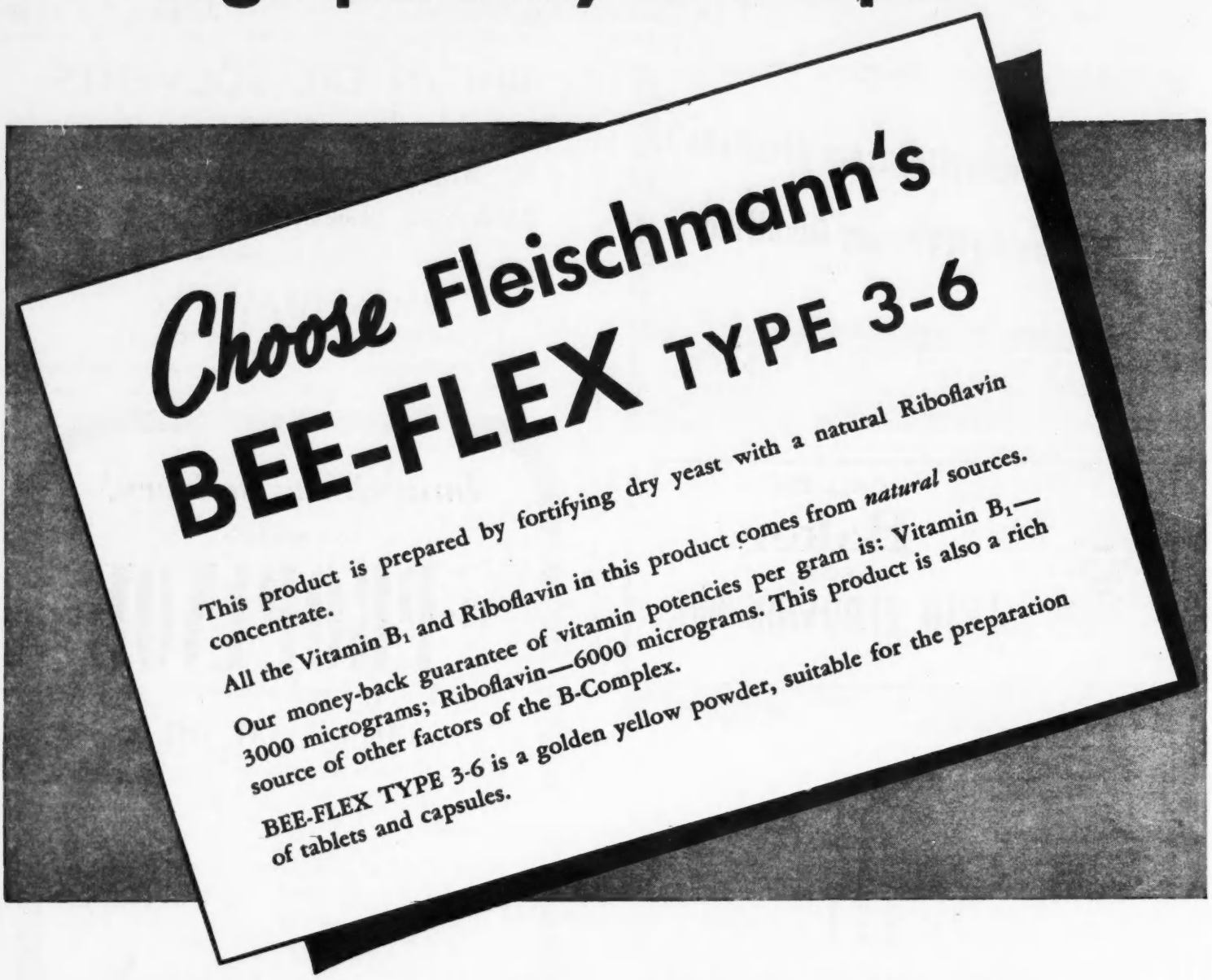
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Titanium Producers To Expand Production

OPD Washington Bureau

Assignment of CC ratings under Priorities Regulation 28 to producers of titanium dioxide to enable them to acquire materials and equipment to expand production of this material was announced by the Civilian Production Administration January 16.

Production expansion programs have been started by three companies, E. I. du Pont de Nemours & Co., Calco Chemical Division of the American Cyanamid Company, and the Titanium Pigment Corporation, but have run into difficulty by reason of the flood of orders facing equipment manufacturers and shortage of vital materials.

The three companies are contemplating an increase in production capacity of about 20 percent over current production rates, 10 percent of which would become available in July and 10 percent in October if the necessary equipment can be obtained.

According to the CPA, the supply of titanium dioxide is substantially below minimum requirements, and the shortage is so serious as to threaten the increased production of peacetime products. There is no shortage of raw materials from which titanium dioxide is made, it was explained, but the problem is one of a shortage of production capacity.

The CC ratings being assigned are the highest obtainable for civilian goods. They are to be granted to producers for capital equipment where the producer is unable to obtain delivery without a rating, and, (1) the equipment will result in a substantial increase in production, (2) the equipment is needed to replace present operating equipment which is in danger of imminent breakdown; for production materials and MRO needed by producers where it is demonstrated that he is unable to obtain the item without priorities assistance and regardless of whether the item is needed to maintain minimum economic production in the plant; and for materials which cannot be obtained without ratings, and where required for construction of new plants or expansion of existing plants where increased production will result.

CPA Forest Products Director Appointed

OPD Washington Bureau

Mathias W. Niewenhous has been designated director of the Forest Products Division of the Civilian Production Administration to succeed George V. Johnson, who has resigned, Fred Glover, director of the Bureau of Reconversion Operations of CPA, has announced.

Mr. Niewenhous has been chief of the Lumber Branch of the Forest Products Division since its functions were transferred from the War Production Board to the Civilian Production Administration. Before that he was deputy director of the Lumber and Lumber Products Division of WPB. He entered WPB in July, 1942, from the National Housing Agency and was formerly president of his own company in New York City, which is his home.

Phila. Chemical Club Elects MacFaul Head

S. Nelson MacFaul, of the Merchants Chemical Company, has been elected president of the Philadelphia Chemical Club. He succeeds W. R. E. Andrews, of the W.R.E. Andrews Sales Company. Other officers elected were: First vice-president, Harold B. Dohner, of the Amalgamated Chemical Corporation; second vice-president, William J. Thorn of Innis, Speiden & Co.; treasurer, Albert Frank of the Alex C. Fergusson Company, and secretary, George B. Heckel, Paint Industry Magazine. The club now has a membership of 122.

ACS Secretary

Alden H. Emery, who has been elected secretary and business manager of the American Chemical Society to succeed Dr. Charles L. Parsons, who has resigned after thirty-eight years of service. He has been assistant business manager of the society since 1936, and assistant secretary, since 1943.

Gov't Aviation 'Gas' Plants Disposal Asked

Prompt disposal of government-owned aviation gasoline plants to private operators was recommended by the Surplus Property Administration in a report to Congress January 15. Finding that there is no need to hold these plants as standby facilities in event of another emergency, SPA advocated that they be disposed of as operating entities wherever possible and that their dismantling be undertaken only as a last resort.

The report, submitted by W. Stuart Symington, Surplus Property Administrator, was the tenth of a series dealing with specified industries required by section 19 of the surplus property act.

Wartime expansion of facilities, operating improvements and specification changes resulted in a fourteenfold increase in production of aviation gasoline from 40,000 to 556,000 barrels a day, SPA reported. More than 70 percent of the investment in expanded facilities was made by private companies to the amount of approximately $637,000,000. The government invested $233,000,000 in twenty-nine installations, sixteen of which cost more than $5,000,000 each. The installations have a wide geographical distribution, but a large number of them are concentrated in the Gulf coast area.

Compressed Gas Makers To Meet Jan. 28-29

The thirty-third annual meeting of Compressed Gas Manufacturers' Association, will be held in the Waldorf-Astoria, New York, January 28 and 29. There will be committee meetings of the anhydrous ammonia group, transportation, carbon dioxide and refrigerant gases. Valve thread standardization will be discussed Monday morning. Technical session will be held Tuesday morning and afternoon. The annual banquet will be held Tuesday evening.

APMA Contact Committee to Meet

The Combined Contact Committee of the American Pharmaceutical Manufacturers' Association, will hold a meeting at the Hotel Pennsylvania, New York, on February 13 and 14. This meeting will immediately precede an open meeting of the U.S.P. Revision Committee which will be called by its chairman, Prof. E. Fullerton Cook, for February 15 and 16, if two days will be required for the latter meeting.

American Plant Food Council To Broaden Scope of Activities

OPD Washington Bureau

Members of the board of directors of the American Plant Food Council held their first meeting of the new year January 16 to review the activities of the newly formed organization since its inception six months ago and to lay plans for broadening these activities in 1946.

It was the first meeting of the board since former Representative Clifton Woodrum, of Virginia, resigned from the house December 31 to devote his full time as president of the council. Harry B. Caldwell, who has also just severed his outside connections to be secretary-treasurer of the council, also attended.

Among the subjects taken up and approved by the board were:—

Holding of the first annual meeting of membership of the council June 23, 24 and 25 at the Homestead hotel, Hot Springs, Va.

The resignation of J. Albert Woods from the board and executive committee, and the appointment of F. S. Washburn of the American Cyanamid Co., to Mr. Woods' place on the executive committee. Mr. Woods resigned recently as president of the Chilean Nitrate Sales Corporation to become vice-president of W. R. Grace & Co. James F. Doetsch of the Chilean Nitrate Sales Corporation was named Mr. Woods' successor on the council board.

Issuance of a brochure entitled, "This Fertile Land of Ours," illustrating and describing the contributions of the fertilizer industry to agriculture, and the mailing of some 35,000 copies of the pamphlet to all agricultural colleges, agronomists, farm organization leaders, county committeemen, members of congress and others.

It was announced following the meeting that the last of the present series of regional meetings sponsored by the council on fertilizer problems will be held January 22 at Montgomery, Ala. The chief topic of discussion at the meeting will be "Fertilizer Needs and Trends" for Alabama, Mississippi and Tennessee. Those scheduled to take part are J. C. Lowrey, extension agronomist of the Alabama Experiment Station; Dr. Russell Coleman, associate director of the Mississippi Experiment Station, and C. A. Mooers, director of the Tennessee Experiment Station.

Dr. J. T. Williamson, agronomist of the Alabama Polytechnic Institute, will lead a discussion of "Economics of Fertilizer Use." After luncheon the meeting will be addressed by Mr. Woodrum on "Legislative Trends," to be followed by a discussion of the "Need for Uniformity in Fertilizer Recommendations and Control Laws," led by Dr. George H. Marsh, director of the Division of Agricultural Chemistry of the Alabama Department of Agriculture.

Considerable discussion at the council's board meeting revolved around the latest legislative developments in the fertilizer field with particular reference to the bill (H.R. 5074) just introduced by Representative Estes Kefauver, of Tennessee, directing the TVA to prepare a national fertilizer policy. An analysis of the bill and a comparison of its provisions with those of the Hill-Bankhead-Flannagan bill (S. 882) was prepared by Mr. Caldwell.

Health of the Nation To Be Discussed

A national symposium on the state of the nation's health, under the title, "Medicine's Tomorrow," will be held in the Waldorf-Astoria hotel, New York, January 22, under the sponsorship of the council of New York University and the faculty of the university's college of medicine. The present condition of the nation's health, what should be done about it, and the challenge offered to medical colleges of the country will be discussed by medical authorities at a dinner-meeting at which Chancellor Harry Woodburn Chase of the university will preside.

"The Impact of the War on Medicine" will be the subject of an address by Dr. A. Newton Richards, vice-president of the University of Pennsylvania in charge of medical affairs and chairman of the committee on medical research of the Office of Scientific Research and Development.

Dr. Dean A. Clark, medical director of the Health Insurance Plan of Greater New York, will speak on "Health—the People's Business."

Dr. Alan Gregg, director of medical sciences of the Rockefeller Foundation will discuss "The Mission of a Medical School."

Invitations to the symposium have been accepted by leaders in education, medicine, finance, industry, business, labor, hospital management, banking, insurance, and in national and civic affairs.

Chemicals Freight Rates Hearings Scheduled

OPD Washington Bureau

Hearings will be held in Chicago February 12 and 13 before the Consolidated Freight Classification Board on proposals for a lowering of freight rates by about 10 percent and an increase in minimum loadings to 70,000 pounds on a specified list of chemicals.

The chemicals involved were not known here, but are understood to consist mostly of solvents. The proposal is thought to be an effort to continue the maximum loading requirements of the war period in ODT order No. 18 into the postwar period to conserve shipping space.

PAW to Terminate 'Gas' Claims Work Jan. 31

OPD Washington Bureau

The Petroleum Administration for War will turn over its responsibilities for passing on claims under the Aviation Gasoline Reimbursement Plan to the Army-Navy Petroleum Board, effective January 31, 1946, Deputy Petroleum Administrator Ralph K. Davies has announced. Contracts under the plan were terminated soon after V-J Day. September 30, 1945, was set as the deadline for completion of operations, Mr. Davies explained.

While it is believed that all claims for losses under the plan have been received and are in process of settlement, Mr. Davies said that no claims would be accepted by PAW after January 31, when the remaining responsibilities regarding the plan will be assumed by the A-NPB.

Dr. W.H. Ross Joins NFA as Consultant

OPD Washington Bureau

Dr. W. H. Ross, who recently retired from active service as chief chemist of the Division of Soils, Fertilizers and Irrigation of the Bureau of Plant Industry, Soils and Agricultural Engineering of the Department of Agriculture, has joined the staff of the National Fertilizer Association as consultant.

Protein Chemistry Research Grant Made

A grant of $50,000 has been made to Cornell University, Ithaca, N. Y., by the Rockefeller Foundation for special research in protein chemistry.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Jan. 17, 1946	Jan. 10, 1946	Jan. 19, 1945
135.8	135.4	133.2

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price views changed, both up and down, in several new places last week in the markets for chemicals, oils, and drugs. The new items came in largely because of some particular circumstance, rather than as a result of any general trend. However, the trend was still upward, and it got a good lift from the same old botanical quarter.

New inquirers still had difficulty in getting supplies of most materials. Those in the export field appeared to be deprived of interest by doubts of ability to produce acceptable funds. Prices, consequently, were wholly a matter of individual negotiation.

Late Markets

Europe Buying Fertilizers

Baltimore, Jan. 18.—Heavy European demand, combined with steady buying for home use, has created an active market here. Producers are making every effort to meet demand, but are hampered by inability to obtain potash and other supplies in anything like adequate volume.

Fertilizer Moving at Chicago

Chicago, Jan. 18.—Business in fertilizer materials as the year gets under way was reported about on a par with recent weeks. Supply shows little tendency toward expansion, while business was active. Blood held firm. Movement of tankage was reported fair. Bone materials held their own

NPVLA Executive Group to Meet Jan. 31

The executive committee of the National Paint, Varnish and Lacquer Association will meet at the Hotel New Yorker, New York, January 31. Thurlow J. Campbell of the Valspar Corporation, is chairman. The budget and Finance Committee, of which E. A. Foy, jr., of Foy Paint Company, Cincinnati, is chairman, will meet January 30, at the same hotel.

Can Manufacturers Ass'n Elects Officers

George A. Milton, president of George A. Milton Can Company, Brooklyn, has been re-elected president of the Can Manufacturers Institute. H. Ferris White has been renamed executive vice-president and Clifford Sifton has been re-elected secretary and treasurer.

Bids Wanted

Disinfectant:—300 gallons phenolic disinfectant (soluble or emusifying type) Procurement Division, Veterans Administration, Washington 25, D. C.; Perry Point, Maryland; invitations 276, opening January 21.

Lime:—250 tons hydrated lime, U. S. Engineer Office, 1st and Douglas streets, N. W., Washington, D. C.; serial W-49-08014-40, opening January 18.

Pyrethrum Dust:—2,000 pounds, Chief Clerk, Department of Justice, Bureau of Prisons, U. S. Penitentiary, Terre Haute, Ind.; invitation 31-2227, bids opening January 3.

Soda Phospate—8,000 pounds offered for sale; Regional Director, Treasury Department, Procurement Division, Purchase and Supply Division, 426 Marietta Street, N. W., Atlanta, Ga.; invitation 06-1286, opening January 24.

Sodium Hyposulphite—Large quantities for various deliveries; Procurement Division, Veterans Administration, Washington 25, D. C.; invitation 366, opening January 21.

Sweeping Compound:—7,000 pounds sweeping compound, Regional Director, Treasury Department, Procurement Division, Purchase and Supply Division, Transportation Bldg., Ft. Worth, Texas; invitations RT-7S-4150, opening January 14.

Varnish:—6,000 pounds hard drying varnish, Purchasing Agent, Bureau of Engraving and Printing, Washington 25, D. C.; invitations BEP-415, opening January 18.

Surplus Property Offered by U.S. Agencies

Eighteen lots of assorted naval stores are offered for sale as surplus by the Department of Agriculture. Bids on them will be received under announcement SC-23 by the Contract Section, Special Services Division, Special Commodities Branch, Production and Marketing Administration, United States Department of Agriculture, Washington 25, D. C., up to 5:00 p.m. (EST) January 24.

The items, with their individual numbers under the announcement, are:—

Pinetar, 1,500 gallons, Louisville, Ky., SC-S22; 3,000 gallons (2 lots), Denver, Col., SC-S27; 1,842 gallons, Denver, Col., SC-S31; 1,602 gallons, Denver, Col., SC-S54.

Rosin, gum, 1,010,000 pounds, WW, Clearfield, Utah, SC-S73; 8,646 pounds, small lump, Kent, Wash., SC-S103

Rosin wood, 2,000 pounds, FF powdered, 50,000 pounds, FF lump, Mare Island, Cal., SC-S50.

Turpentine, gum, 1,951 gallons, Richmond, Va., SC-S16; 14,283 gallons, Richmond, Va., SC-S28; 5,980 gallons, Albany, N. Y., SC-S34; 8,579 gallons, Granite City, Ill., SC-S44; 2,204 pints, Granite City, Ill., SC-S56; 12,335 gallons, Lathrop, Cal., SC-S40; 6,307 gallons, Pasco, Wash., SC-S29; 36,870 gallons, Pasco, Wash., SC-S35; 1,471 gallons, San Antonio, Tex., SC-S32; 1,827 gallons, Auburn, Wash., SC-S36.

In the same announcement the same agency offers (item SC-S143) 32,460 pounds of gum arabic at Granite City, Ill.

The department is also offering through the Fats and Oils Branch of the Production and Marketing Administration, three lots of chemical cotton pulp aggregating almost 14,500,000 pounds. The offer is in announcement FO-7. Offers will be received by the branch up to midnight (EST) January 21. The cotton is United States Army specification 50-11-44A; viscosity, 20-50 seconds. Its condition is excellent.

Item 1 is 2,477,225 pounds (air dry weight), at Chattanooga, Tenn. Item 2 is 3,970,008 pounds, at Baraboo, Wis. Item 3 is 7,965,017 pounds, at Talacoosa, Ala.

The government-owned cactus ordnance works, near Etter, Tex., where the Shell Chemical Company manufactured anhydrous ammonia and an additive for high octane gasoline for the army, is for sale or lease by the War Assets Corporation. Negotiations for the plant will end January 31. Persons interested in buying or leasing the property, either for operation as an ammonia plant or in manufacturing other products, and those interested in equipment for use at other locations, should file their proposals with War Assets Corporation by that date. The property includes manufacturing buildings with a total floor area of 844,170 square-feet. It has a rated capacity of 55,000 tons of anhydrous ammonia and 10,000,000 barrels of gasoline component a year. The plant is located on an 8,325-acre site, in Moore and Sherman counties

The chemical plant at Ironton, Ohio, formerly operated for the army by the Buckeye Ordnance Works, capacity 8,400 tons of ammonia and ammonium nitrate a month, is for sale or lease by the War Assets Corporation. Negotiations for the plant will close Jan. 25. The plant has forty-nine buildings with a combined floor area of about 500,000 square-feet on a 739-acre site on the Ohio river. Process equipment, including pressure vessels, pumps, tanks, gas washers, blowers and maintenance machinery is on the premises. Utilities are complete. The plant is served by a spur of the Norfolk & Western Railroad and arterial highways are nearby.

Soap, Glycerin Makers Ass'n Elects Officers

R. R. Deupree, president of Procter & Gamble, Cincinnati, has been elected president of the Association of American Soap and Glycerine Producers, succeeding E. H. Little, president of the Colgate-Palmolive-Peet Company. Jersey City, N. J., who was named Eastern vice-president. E. A. Moss, of Swift & Co., Chicago, was elected Central vice-president, and H. F. Bernard of Pioneer Soap Company, Western vice-president.

Drug Law Counsels To Meet Jan. 24

The Section on Food, Drug, and Cosmetic Law of the New York State Bar Association will hold its first annual meeting January 24 in the meeting hall of the Association of the Bar of the City of New York, 42 West Forty-fourth street. Its chairman Charles Wesley Dunn, will preside.

Two sessions will be held, as follows:—

First Session, 10:00 a.m.

Introductory statement by Lewis C. Ryan, president of New York State Bar Association.

Reports by officers and committee chairmen.

Papers:—

The Food, Drug and Cosmetic Law:—Charles Wesley Dunn, chairman of section; counsel for Grocery Manufacturers of America and American Pharmaceutical Manufacturers' Association.

The Food Law:—Michael F. Markel, of Breed, Abbott & Morgan, counsel for National-American Wholesale Grocers' Association.

The Drug Law:—James F. Hoge, chairman of committee on drug law; counsel for Proprietary Association of America.

The Cosmetic Law:—Hugo Mock, chairman of committee on cosmetic law; counsel for Toilet Goods Association.

Second Session, 2:00 p.m.

Papers on the Federal food, drug, and cosmetic act:—

Its Administration:—Charles W. Crawford, Associate Commissioner of Food and Drugs, Federal Security Agency.

Its Function in Preventing Economic Adulteration of Food:—Daniel P. Willis, office of general counsel, Food and Drug Division, Federal Security Agency.

Its New Drug Law:—Carl M. Anderson, of counsel for Merck & Co.

Its Slack-Filled Package Law:—Franklin M. Depew, of counsel for Standard Brands Incorporated.

Other papers:—

The Enrichment Program for White Flour and Bread:—Dr. Norman Jolliffe, of Food and Nutrition Board, National Research Council.

The Product Liability Law:—Bradshaw Mintener, counsel for Pillsbury Mills, Inc.

Elections and other business.

Technical Information Cataloged by Government

OPD Washington Bureau

The first issue of the "Bibliography of Scientific and Industrial Reports Distributed by the Office of the Publication Board" will be placed on sale by the Superintendent of Documents, Government Printing Office, January 25. Succeeding issues of the bibliography will be made available on a weekly basis. Reports listed in the weekly bibliographies will be grouped according to subject matter. The serial number, price, length, and title of each report in the listings will be accompanied by a brief description of the report's contents.

The price of the first issue will be 15 cents. Since prices of later issues will vary in accordance with their size, a definite yearly subscription rate cannot yet be determined. However, the Superintendent of Documents will accept $10 as initial payment for the service and will notify subscribers when additional remittance is required. Copies of the bibliographies also may be purchased singly.

The first issue, comprising twenty-eight pages, covers 323 reports, including 114 on chemicals and related materials and twenty-eight on products of petroleum and coal.

A new lot of forty-four reports on scientific and industrial information, obtained chiefly in Germany and German-occupied countries, was placed on sale last week. Included in this group of photostatic and microfilmed material are about eighteen on chemicals, oils, paints, drugs, and the like.

SOCMA to Be at Seaview

The resumption of Spring outings by the Synthetic Organic Chemical Manufacturers Association, June 13 and 14, will be at the Seaview Country Club, Seaview, N. J. It was erroneously located in the item printed here last week.

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Harris Soap Company, Buffalo, has changed its corporate name to Howard Stetson, Inc.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Plans of this government to focus world attention on the problems of tariffs, trade barriers, discriminations, customs requirements, and other forms of hindrances to international trade are beginning to make rapid progress. Some fourteen nations have been invited to begin conferences with the Department of State next June looking toward negotiations on trade agreements to wipe out at least some trade obstacles, and eleven have signified their intentions to attend.

The conferences are, in effect, a forerunner of what the department hopes will lead to a general trade and employment conference under the sponsorship of the United Nations Organization. The June conferences are of more immediate concern to American industry, however, because of their more direct dealing with the tariff problem. The department has prepared and is expected shortly to publish a list of all products which may conceivably be the subject of trade agreement negotiations at these conferences.

Under legislation enacted last year the department has the authority to reduce tariffs on imports another 50 percent below the levels now prevailing, which amounts to a reduction of 75 percent in the rates in the tariff act of 1930. These are the major concessions which this government has to offer in the conferences. Officials are not so concerned about securing similar cuts in foreign tariffs, however. Their aim will be chiefly to eliminate discriminatory barriers to our trade, such as quotas, preferences, sterling areas, State monopolies, and the like.

DDT Literature Voluminous

Scientists say they cannot recall any scientific development—not excepting sulfa drugs, penicillin, or even the atomic bomb—up to this time, that has resulted in such a sustained flood of factual technical reporting as the discovery and research development of DDT. Whole issues of the Journal of Economic Entomology have been devoted almost exclusively to brief scientific reports of research to determine the effects of DDT on specific pests—or its failure to control.

The swelling volume of DDT literature comes to a focus in a third list of publications on DDT which has been mimeographed by the Department of Agriculture. A modest first list of 174 titles covered articles published up to April 30, 1944. That was when DDT was new and much of the information was still a military secret. Covering the last eight months of 1944, the second list included 418 titles, and the third list for the first half of 1945 lists 381 items. The last half of 1945 has seen active reporting on DDT and the total for the year is sure to exceed that for 1944.

Pharmacists' Qualifications

The controversy which the American Pharmaceutical Association has been having with the government over the qualifications of pharmacists appointed for government jobs appears now to be settled—with victory for the association. The association has been complaining against the lack of adequate qualification standards for pharmacists set up by the United States Civil Service Commission. Although the commission has always been willing to confer on the question it never would do more than that.

The issue has just been brought to a head in H.R. 4717 passed by Congress last month to establish a department of medicine and surgery in the Veterans Administration. It provides that pharmacists for service in the Veterans Administration must "hold the degree of bachelor of science in pharmacy, or its equivalent, from a school of pharmacy approved by the administrator and be registered as a pharmacist in one of the States or Territories of the United States or in the District of Columbia."

This is what A.Ph.A. has been insisting that CSC apply to the government generally. Recently the commission scheduled an examination of applicants for jobs as pharmacists in the government. In view of the requirements laid down in the bill for pharmacists in the Veterans Administration, the commission this week cancelled its examination and will issue a new call with the requirement that applicants for government pharmacy jobs generally meet these qualifications.

Hiring Is Hazardous

Employers in jurisdictions that have adopted antidiscrimination laws are finding that silence is golden when it comes to asking job applicants questions that have been the practice of industries for years. Such questions as place of birth? What is your nationality? Where do your parents reside? To what church do you belong? can be dangerous if the applicant is turned down.

To be safe the employer must in fact take care not to ask any questions which may impugn him with a motive to discriminate. For instance, if he asks an applicant what newspapers and magazines the latter reads, and he lists some which are read only by those of a certain religion or nationality, the inquiry could conceivably be used as evidence of discrimination in event of a refusal to hire the applicant.

All employers doing work on or in connection with government contracts are subject to the jurisdiction of the Federal Fair Employment Practices Committee, and those in New York and New Jersey are subject to State antidiscrimination laws. Indiana and Wisconsin also have such laws, but without enforcement provisions.

Copal Price Problem

The ending of world allocation of copal gum when the Combined Raw Materials Board went out of existence the first of the year has added one more worry to the many headaches of OPA. It literally placed the agency on the spot as to how best it can continue to encourage imports of the gum while at the same time retaining some measure of control over prices.

Ever since the lifting of ceilings on carnauba wax sent the price of that material through the roof, the agency has been very gunshy of suspending price ceilings on any material of a strategic or critical nature. It has little doubt that, if ceilings were lifted on copal gum, the same thing will happen and be a forerunner of pressure for suspending of ceilings on all other resins.

The agency has two courses of action:—(1) It can retain the present ceilings in the hopes that foreign sellers not wishing to lose the American market will hold their prices in check; or (2) it can revise the regulations to set ceilings at total landed costs plus historical markup. The latter seems to be the one most likely to be adopted. Admittedly it is a very loose form of control that permits an inflationary price rise, but it is better than no price control at all and allows the agency to step back into the picture to take more affirmative action should this become necessary.

Physicians Are Too Few

Even if every physician in military service were demobilized and returned to civilian life today, it would provide only partial relief to the existing shortage. In fact, the Department of Labor says, even until 1950 the demand for physicians may exceed the numbers available for service by at least 10,000 and perhaps more than 20,000.

The nation has been falling behind in the number of new practitioners in the medical field, in comparison with its needs, for years. From 1910 to 1940 there was an increase of only 13.4 percent in the number of physicians, compared with 43.2 percent increase in population. This spread has been mitigated by improvements in

—Continued on page 47

Gum Turpentine Prices Are Ceiled by OPA

OPD Washington Bureau

The Office of Price Administration on January 15 established price ceilings on gum turpentine at all levels of production and distribution. The ceilings were effected through amendment No. 3 to Revised Maximum Price Regulation No. 561.

Except for a brief period in 1942, this is the first time gum turpentine has been put under price control. The action was taken to prevent a possible inflationary rise in prices following the expected early depletion of government-held stocks that throughout the war years have served as a restraining influence on the price. Wood turpentine and sulphate turpentine have been under price control since 1942.

The new ceiling price for producers is 83.5 cents a gallon, f.o.b. still or bulk storage plant. Maximum prices for sales in tankcars or from bulk storage by dealers in the producing area are set at 84.5 cents per gallon, f.o.b. dealer's shipping point. All other sales are frozen at the highest price charged a purchaser of the same class from November 1 to December 15, 1945, inclusive, plus one cent a gallon. Provision is made for determining ceilings where resellers did not have specific sales during that base period.

The 83.5 cent producer ceiling is the approximate current selling price. It is also slightly above parity to furnish some leeway in the event parity is later modified.

Browning Made Director Of Domestic Commerce

Secretary of Commerce Henry A. Wallace has announced the appointment of Brig.-General Albert J. Browning as director of the Office of Domestic Commerce. In this capacity, General Browning will have responsibility for formulating the program and perfecting the organization by which the department will discharge its responsibility for the promotion and support of the nation's domestic commerce and industry. His appointment is in line with Mr. Wallace's recently-announced plan to group the operations of the department under three principal headings—promotion of foreign trade, of domestic trade and of small business.

General Browning, who is on terminal leave from the army after serving as Assistant Director of Materiel in the Army Service Forces, is accepting the appointment on a temporary basis, in the expectation that he will return to private industry after three or four months.

Before he entered the army, General Browning who was special adviser to Donald M. Nelson in the Supply, Priorities and Allocations Board, from 1938 to 1942, was president of United Wall Paper Factories, Inc., Chicago. Previously, he had been merchandising manager for Montgomery Ward & Co.

Hog Bristles Distribution Order Is Revoked

OPD Washington Bureau

Revocation of order M-51, which governed the distribution of pigs' and hogs' bristles, has been announced by the Civilian Production Administration.

The revocation of the order removes the last remaining restrictions on the importation of bristles and eliminates the former procedure under which persons who sought to purchase bristles from the Reconstruction Finance Corporation stockpile were required to receive specific authority from the Civilian Production Administration.

Hobson Honored for Use Of Plastics in War Items

OPD Washington Bureau

Major Edwin L. Hobson, 3rd, chief of the plastics section of the Research and Development Branch of the Office of The Quartermaster General, has been awarded the Legion of Merit for directing the developmental work which resulted in widespread use of plastics in many different military items in World War II.

Penicillin Production Estimated for 1945

OPD Washington Bureau

Penicillin production during 1945 is estimated by the Civilian Production Administration at 7,100,000,000,000 units, or more than four times the 1,633,000,000,000 units produced by the industry in 1944.

These astronomical figures were given to members of the Penicillin Producers Industry Advisory Committee at their meeting with CPA officials January 15 during which the production problems of the industry were discussed and plans made for continuation of the allocation program until there is no longer any danger of a supply shortage developing.

The raw material problem, which plagued the industry a few months back and resulted in a sharp decline in production and a consequent demand for resumption by the government of its controls over the distribution of the drug, now appears to be solved, it was stated. Corn steep liquor is again available to the industry in adequate quantities with the result that production has shown a steady increase again during the last three months. October's output amounted to 675,000,000,000 units, that for November was 767,000,000,000 units while December topped 800,000,000,000.

It is to be expected, officials of the CPA said, that the monthly increase in production of the drug will continue, unless some developments not now foreseen occur. It is reported that the industry is shooting at a production level of 1,000,000,000,000 units monthly. When this rate will be reached, however, cannot be estimated.

Exports of penicillin which have been under curtailment in December because of the shortage of supplies that had developed will continue to be held down to 200,000,000,000 units in January.

Considerable interest and discussion at the meeting also was reported on the Romansky formula for calcium penicillin suspended in beeswax and peanut oil for parenteral use. It was said this formula, developed by Capt. Monroe Romansky of this city, provides a very definite standard for penicillin to be so used.

Streptomycin Producers Advisory Group Formed

Organization of a Streptomycin Producers Industry Advisory Committee to discuss production and distribution of this new antibiotic was announced by the Civilian Production Administration January 15. Roy S. Koch, CPA industrial specialist, who is government presiding officer of the penicillin committee, is also presiding officer of the streptomycin committee.

It is expected that this streptomycin will be placed under allocation by the CPA in order to assure an equitable distribution of supplies until production can catch up with demand. It has been known for sometime that the army and navy has been pressing CPA for such action.

Streptomycin production at the present time probably does not exceed 10,000,000,000 or 15,000,000,000 units a month. Accurate figures are not available since all production is still in the laboratories. The industry, however, is progressing with its plans to enter into commercial production of the drug and it is probable that the first supplies produced on a commercial scale will come from the plants now being built in May or June.

Producer companies represented on the advisory committee just established are:—Abbott Laboratories, Inc., Chicago; Eli Lilley & Co., Indianapolis; Heyden Chemical Corporation, New York; Parke Davis & Co., Detroit; Merck & Co., Rahway, N. J.; Chas. Pfizer & Co., New York; E. R. Squibb & Sons, New York; The Upjohn Company, Kalamazoo, Mich.; Commercial Solvents Corporation, Terre Haute, Ind.; and Schenley Laboratories, Inc., Louisville, Ky.

Rotondaro with Zemmer

Dr. F. A. Rotondaro has joined the Zemmer Company, Pittsburgh, as director of laboratories. He has beer for ten years with Food and Drug Administration in Washington.

OPD—1-21-1946 6

DDT

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Santobane* will undoubtedly become a potent factor in controlling many disease-carrying pests harmful to humans—as well as in controlling many insects that destroy plant life.

However, Santobane must still be considered as toxic to warm bloods, and to some beneficial forms of insect and plant life. The extent of its contact or cumulative effect has not yet been fully determined in many fields of application. Caution is, therefore, recommended in developing formulations.

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SERVING INDUSTRY... WHICH SERVES MANKIND

Essential Oil Ass'n Starts Standards Book

Reconversion promises to present business with more serious problems than those it had during the war, said John H. Montgomery, of Fritzsche Brothers, Inc., in his presidential address to the Essential Oil Association of the U. S. A., at the annual meeting, January 11, in New York. Employment troubles, worn-out equipment, and conditions in domestic and foreign sources of materials are taking the rosiness from earlier expectations.

William Schilling, Jr.
New President of E.O.A.

Mr. Montgomery was in a hospital at the time of the meeting; his address was read by Ray Schlotterer, managing director. He spoke appreciatively of the co-operative relations of the association with governmental agencies and the U.S.P. and N.F. revision committees, and told of the work with the Toilet Goods Association for the combatting of perfumery counterfeiting.

The work of the scientific section was commended by President Montgomery, and he reported the straightening out of questions on the importation of oil of Brazilian sassafras (*Ocotea cymbarum*). The settlement of customs differences over Ceylon citronella oil is still pending in the court. The trademark bureau is almost ready to publish a revised list of registered names, Mr. Montgomery said. The relations with USCC and FEA in connection with importations, especially floral products from France, had not been satisfactory, in his opinion.

Discussions with the U.S.P. revisers on changes in standards of oils of almond (expressed), anise, cedarleaf, cinnamon, clove, eucalyptus, fennel, lemon, nutmeg, peppermint, rose, rosemary, sassafras, and spearmint, also on eucalyptol and tolu balsam had resulted very satisfactorily, said Dr. Eric C. Kunz, of Givaudan-Delawanna, reporting as chairman of the scientific committee. The same was true of discussions on N.F. standards for oils of bergamot, dwarf pineneedle, orangeflower, bitter orange, and santal, and anethol, copaiba balsam, and oleoresin of ginger. Changes on oil of thyme also are being considered. New N.F. monographs on oil of pine, benzyl alcohol, and benzyl benzoate have been accepted.

Work on the association's proposed book of standards has been got under way, and four specifications, covering Brazilian oil of bois de rose, Paraguayan oil of petitgrain, oil of spike lavender, and hydroxycitronellal were presented for consideration by the

—*Continued on page 64*

German Plants Now Available for Allocation

OPD Washington Bureau

The State Department and the Office of International Trade of the Department of Commerce, has released the first list of two groups of individual industrial plants which have been declared available for allocation on the German reparation account by the Allied Control Council. American firms or persons interested in purchasing for transfer to the U. S. any of the plants listed in either group are asked to indicate their interest to the Office of International Trade, Department of Commerce, Washington.

Gets Perkin Medal

Dr. Francis C. Frary, director of research for the Aluminum Company of America, Pittsburgh, received the Perkin Medal at a dinner at the Hotel Commodore, January 11. The award is sponsored by the Society of Chemical Industry, the American Chemical Society, the American Institute of Chemical Engineers, the Electrochemical Society, and the Societe de Chemie Industrielle.

Vitamin D Patents Dedicated to Public

As a part of the consent judgment which has terminated the government's antitrust law suit against the Wisconsin Alumni Research Foundation and seventeen licensed users of its Steenbock patents on vitamin D, the patents have been dedicated to the public. In taking this action, the foundation, according to its president, George I. Haight, was motivated largely by the costliness of continuing the defense of the antitrust action. The foundation was successful in the Federal district court, but that decision was reversed by the court of appeals, and the Supreme Court of the United States, last October, refused to review that ruling.

Pointing out that the chief Steenbock patent expired August 13, 1945, that certain foreign patents had expired previously, leaving in effect only some quite specific United States patents and the Canadian patents, Mr.

—*Continued on page 71*

Measuring Gauge 'Trust' Charged

OPD Washington Bureau

Attorney General Tom C. Clark has announced the filing in the Southern District of New York of a civil complaint charging the Liquidometer Corporation of New York with violation of the Sherman antitrust act through international cartel agreements in connection with the manufacture and sale of gauges for the measurement of liquids in gasoline tanks and other containers used in airplanes, ships and for other purposes.

It is alleged in the complaint that Liquidometer entered into such agreements with Societe d'Etudes Simmonds, a French company, and with Simmonds Development Corporation, Limited, an English company. These agreements are alleged to have divided the world into three separate non-competitive territories respectively, allocated to each of the three cartel participants as an exclusive area for the manufacture and sale of a variety of important types of measurement gauges and related devices and products.

Frank Edwards Organizes New Chemical Company

Frank J. Edwards, identified with the chemical industry for over twenty-five years, and formerly with the Grasselli chemical department of E. I. du Pont de Nemours & Co., and more recently with Philipp Bros., has formed the Frank J. Edwards Company for the distribution of chemicals for import, export, and domestic account. The new company will maintain offices at 15 William street, New York.

Freight-Equalization Systems Condemned by Appellate Court

OPD Washington Bureau

Two decisions in recent months by the United States Circuit Court of Appeals for the Seventh Circuit on pricing systems which result in uniformity of delivered prices to consumers are said by officials of the Federal Trade Commission to have greatly strengthened the commission's hand in its campaign against alleged price fixing.

Considered in conjunction with the decisions last year by the Supreme Court of the United States in the Corn Products and Staley cases, which outlawed the pricing systems of the glucose industry involving the adding to prices charged consumers of freight charges not actually incurred, the two decisions appeared to construct further the field in which consumers are denied the freight advantages they might enjoy by their proximity to places from which delivery is actually made.

The two decisions were on complaints issued by FTC against the United States Maltsters Association, et al., involving alleged pricing fixing in the sale of malt, and against the Milk & Ice Cream Can Institute, et al., alleging a combination and pricing arrangement restraining competition in the sale of milk and ice cream cans. The complaint in the former grew out of uniformity of prices in the industry resulting from the use of Chicago as a basing point in reporting prices of malt to the association. In the latter case, the complaint revolved around a freight-equalization arrangement employed by the members which made all delivered prices the same.

In the Malsters case, the court said:—

Petitions devoted considerable effort in attempting to show that they did not use a basing point price system. This follows, so it is argued, because the Chicago base is used merely in the reporting price in contrast to the selling or delivered price. This contention, so we think, is the counterpart of attempting to demolish a self-created strawman.

We find no occasion to discuss the basingpoint price system as it is generally understood or the effect it has upon the price structure. Neither is it necessary to discuss in any detail the freight-rate system employed by petitioners. The incontrovertible fact is that this freight-rate system enabled them to deliver malt at any given destination at exactly the same price. We think it is immaterial what label be attached to such a system.

It may be, as claimed by petitioners, that there was at no time included in the delivered price a charge for freight greater than the actual cost of transportation. The converse of that proposition, however, admittedly is not true. We mean by this that where a customer was at a disadvantage freightwise, the maltster from whom such customer purchased his product absorbed such part of the transportation cost as would enable it to make the customer a delivered price exactly the same as if the customer had been more favorably located. We think, as the commission found, that without the use of this freight system there could have been no uniformity in the delivered prices.

In the milk and ice cream can case, the court, after pointing out a customer located in St. Paul could purchase cans at the same delivered price irrespective of whether the purchase was made from a member located in Chicago or St. Paul, said in its decision:—

Just how such an unnatural situation could be brought about by members of an industry without a plan or agreement is difficult, if not impossible, to visualize. The mere fact that the situation did exist in and of itself furnishes strong support that the institute and its members were acting cooperatively and by agreement.

It is contended, however, that the same delivered price, even though the result of a plan or agreement, did not affect competition. In fact it is argued than an identical delivered price is in aid of price competition. Not being economists, we confess our inability to comprehend such an argument. True, the same delivered price might still leave room for competition, depending upon the circumstances of the case. This is so for the reason that there might be competitive factors other than price, such as quality and the appearance of the product. But insofar as price competition is concerned, we think that an agreement among manufacturers of a product to sell at the same delivered price would seriously interfere with, if not entirely destroy, competition in that respect.

Procter Medal Awarded to Richards

Dr. A. N. Richards, professor of pharmacology and vice-president in charge of medical affairs of the University of Pennsylvania, will be awarded the Procter Medal, established by the Philadelphia Drug Exchange in honor of William Procter, jr., at a dinner at the Bellevue Stratford, January 31, J. Mervin Rosenberger, of Smith, Kline & French, Inc. and president of the exchange, has announced.

Dr. Richards, who since 1941 has served as chairman of Medical Research of the Office of Scientific Research and Development, is being awarded the medal for his work in encouraging and abetting the research efforts which led to the present day development of penicillin, and for laying down a program of national production for penicillin in this country.

Frank F. Law, vice-president of Wyeth, Inc., will serve as toastmaster at the dinner. Speakers will include Dr. Chester S. Keefer, of the Robert Dawson Evans Memorial Hospital in Boston, Mass., who as chairman of the committee on chemotherapeutics and other agents, sponsored a series of experiments and clinical trials in the early days of penicillin which helped establish the feasibility of industrial production on a large scale; and Fred Stock, of Charles Pfizer & Co., who was with WPB during the pioneering days of penicillin production.

The Wyeth painting, "Father of American Pharmacy," which memorializes the achievements of Wm. Procter, jr., for whom the medal was named, will be shown at the dinner. The Philadelphia Drug Exchange has elected E. F. Schaeffer of Owens Illinois Glass Company as president for the coming year.

War Assets Corp. Agent For U.S. Surplus Sales

The Reconstruction Finance Corporation announced the transfer of all its surplus property activities to the War Assets Corporation, effective January 15. The War Assets Corporation, a subsidiary of the Reconstruction Finance Corporation, has been designated by the Surplus Property Administrator as the disposal agency for all government-owned surplus consumer goods and producers and capital goods.

Lt.-Gen. E. B. Gregory, Army Quartermaster General, at the request of President Truman, has taken office as chairman of the board of directors of the new corporation, which will be responsible for the sale of all such property declared surplus by the army, navy and other government gaencies. It is estimated that property, the original cost of which was $23,000,000,000 will be declared surplus during the fiscal year July, 1945, through June, 1946.

The War Assets Corporation will sell surplus property through regional offices whose territories correspond to those of the RFC Loan Agencies which will furnish necessary facilities and personnel. The address of the Regional Office of War Assets Corporation serving the New York RFC Loan Agency is 70 Pine street, New York 5, N. Y.

Cohoe Nominated Chemists' Club Head

Wallace P. Cohoe has been nominated for the presidency of the Chemists Club, New York. Other nominees are:—Resident vice-president, George O. Curme, jr.; non-resident vice-president, William B. Plummer; suburban vice-president, Per K. Frolich; secretary, Lloyd VanDoren, and treasurer, Ira Vandewater.

Shawinigan Appoints Jane Research Vice-Pres.

Dr. R. S. Jane, director of the industrial research department of the Shawinigan Water & Power Company, has been appointed vice-president in charge of the research of the Shawinigan Chemicals, Ltd.

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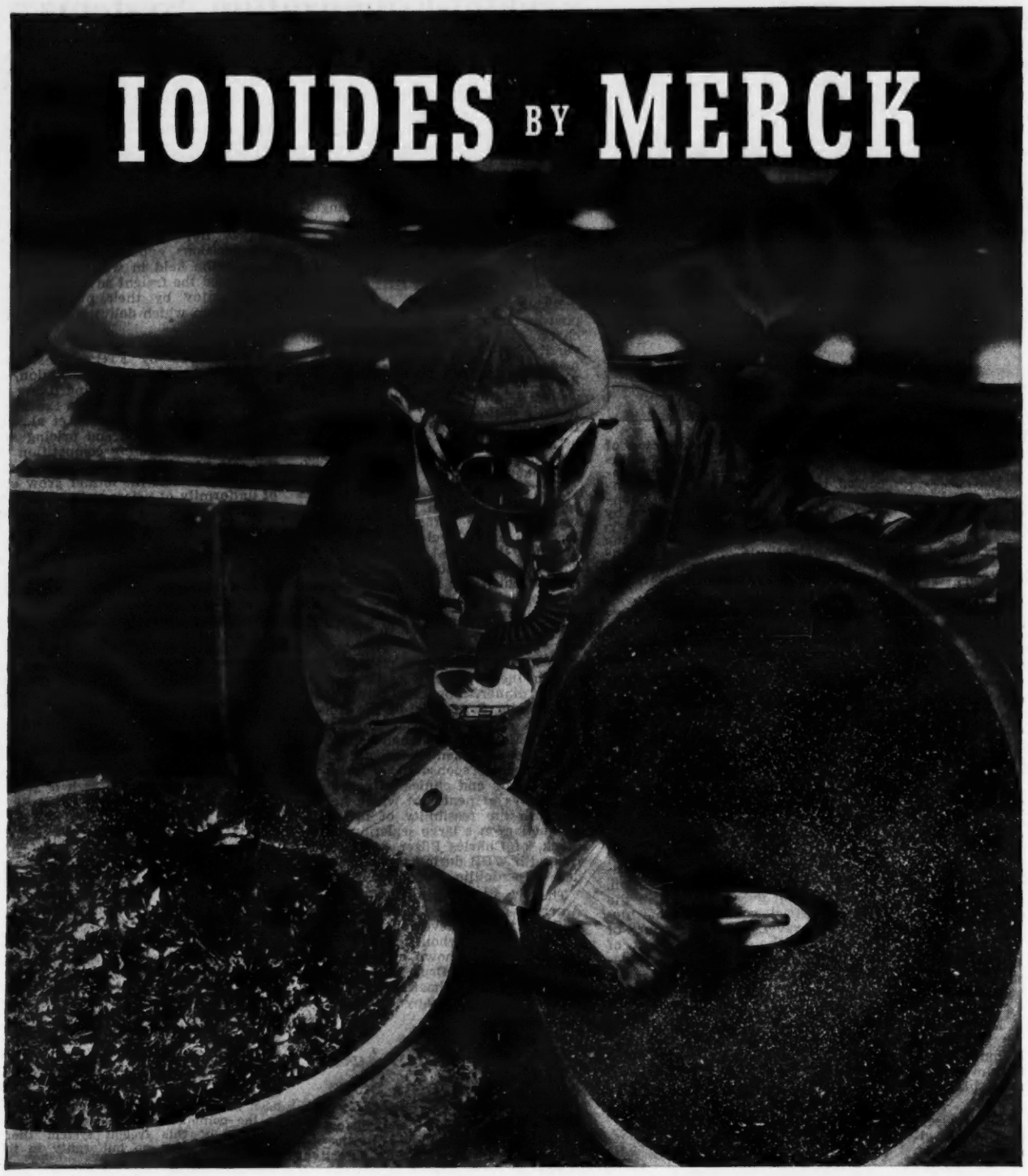

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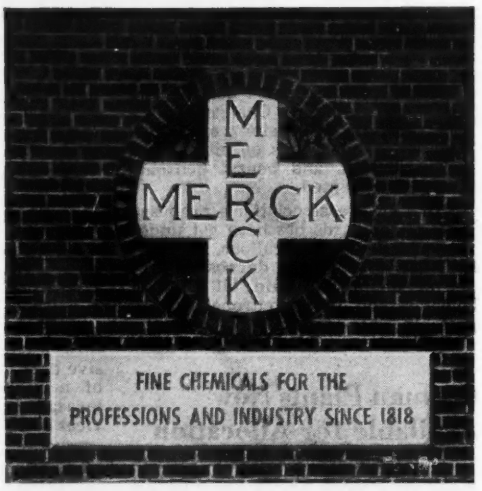

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Current Market Quotations Chemicals and Related Materials

January 18, 1946

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).

Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —

Acetaldol (see Aldol).

Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .96 - —
smaller lots, works.....lb. .78 - .70

Acetanilide, tech., dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29

USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39

powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37

Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —

Acetoacetanilide, bbls., dms...lb. .49 - .67

Acetone, CP,[1] dms., c.l., dlvd..lb. .07 - .08
l.c.l., dlvd.....lb. .07¼- .08½
tanks, dlvd.....lb. .06 - .07

Methyl (see M).

Acetonitrile, dms., c.l., works..lb. .35 - —
l.c.l., works.....lb. .40 - —
5-gal. lots, works.....lb. .45 - —
less than 5-gal. lots, works..lb. .50 - —

Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.06 - 1.10

Acetophenone, cns., dms.....lb. 1.50 - 1.75

Acetyl chloride, cbys., works..lb. .60 - —

Acid, abietic, dms., c.l., wks..lb. .07½- —

Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs.10.50 -11.00
USP, dms., works..100 lbs. 4.41 - 4.69
pure, 50%, bbls.....100 lbs. 4.86 - 5.11
36%, bbls.....100 lbs. 7.60 - 7.85
60%, bbls.....100 lbs. 9.25 - 9.51
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb.-lot.. .45 - —
smaller lots, same basis..lb. .46 - .59

standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —

Aminoacetic, USP (see Glycine).

Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .96 - —

Arsenous, tech. (see Arsenic, White).

USP, powd., dms., kgs.....lb. .20 - .22

Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-50 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —

Battery, cbys., c.l., E works... 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,900 lbs. up....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,000 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .58 - .59

Betaoxynaphthoic, bbls., works. lb. .95 - —

Boric, tech., 99.5% cryst. (same as prices for powder).
gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —

Broener's, bbls.....lb. 1.11 - —

Acid, cacodylic, Lots.....lb.13.50 -15.50

Camphoric, cns.....lb. 6.95 - 7.00

Caprylic, 99%, dms.....lb. No stocks

Capric, tech., ret. dms.....lb. No stocks

Castor oil,[1] split, ret. dms..lb Nominal

Chlorosulphonic, dms., c.l., wks., lb. .06 - —
l.c.l., works.....lb. .06½- .04½
tanks, works.....lb. .02½- —

Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19

Cinnamic, refd., bots.....lb. 3.00 - 3.25

Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls.....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.

Cleve's, bbls.....lb. .05 - —

Coconut oil,[1] dist., dms.....lb. .17½- .19½

Corn oil, s.l.,[1] dms., c.l., wks. lb. .12 - —

Cottonseed oil,[1] s.d., ret. dms., c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼

Cresylic, dom. coaltar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .31 - —
l.c.l., same basis....gal. .33 - —
tanks .....gal. .25 - —

Petroleum, heavy grade (200°-246°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —

light grade (200°-246°), tanks, Cal. ref..gal. .690 - —

medium grade (220°-246°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, dlvd.....gal. .646 - —

Crotonic, bbls., Canadian, wks., lb. .25 - —

Dichlorophenyoxyacetic, cns., dms., works..lb. No stocks

Diethylbarbituric (see Barbital).

F (see Acid, Monosulphonic).

Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10¼- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l. .....lb. .11 - .11½

Fumaric, tech., bbls., dms...lb. .27 - .31

Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15

Glutamic hydrochloride, dms. lb. 2.00 - 2.40

Glycolic (see Acid, hydroxyacetic).

H, bbls.....lb. .43½- .45

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —

Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys.....lb. .35 - .37

Hydrochloric (see Acid, Muriatic).

Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34

Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —

Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09

Hydroxyacetic, 70% tech., bbls., non-return. Phila..lb. .084 - —
tanks, Belle, W. Va., acid basis..lb. .06½- —

Hypophosphorous, USP, djns. lb. .75 - .77

Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14¼- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —

USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55

Lauric, dist., 95, dms.....lb. .28 - —

Laurent's, bbls.....lb. .45 - —

Linseed oil,[1,7] light, dms...lb. .21½- .22

Acid, maleic, powd., dms.....lb. .30 - —
Anhydride (see M).

Malic, powd., kgs.....lb. .47 - —

Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.20

Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit.....lb. .0085- .009

Molybdic,[1] kgs., works.....lb. .95 - 1.10

Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —

Monosulphonic, bbls.....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.80 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —

CP, USP, consumers, cbys. extra..lb. .06 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —

Myristic, dist., dms.....lb. No stocks

Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —

Nicotinic, USP, dms.....kilo. 6.50 - 6.80

Nicotinic amide (see Nicotinamide)

Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works.100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —

CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra.....lb. .11¼- —
7-lb. bots., cs., extra..lb. .13½- —

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming).

Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12¼- —

Palm oil,[2] white, dist., dms..lb. No stocks
tanks .....lb. No stocks

Para-aminobenzoic, cns.....lb. 1.40 - —

Paranitrobensoic, cns.....lb. .72 - —

Paratoluidinmetasulphonic, bbls., works..lb. .80 - —

Peanut oil,[1] s.d., tanks, works, lb. .11¼- —

Phenylacetic, bots.....lb. 1.65 - 1.85

Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10½- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —

Pyrogallic, tech., bbls.....lb. 1.45 - 2.05
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65

Pyroligneous, dms., dlvd. E.. gal. .30 - —

Ricinoleic, com'l split (see Acid, castor oil, split).

Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42

USP, bbls., c.l.....lb. .28 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44

Sebacic, tech., dms., works..lb. .55 - .57

Soybean oil,[1] s.d., dms., works. lb. .11¾- .16½
tanks, works.....lb. .11 - .15¾

Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .19¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .19¼- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., wks..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....lb. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —

CP, USP, consumers, cbys. extra..lb. .06 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
9-lb. bots., cs. extra..lb. .08½- —

fuming, 20%, tanks, E. works, ton.19.50 - —

Acid, tannic, tech., bbls., dms..lb. .71 - .72
USP, fluffy, bbls., 1,000 lbs... lb. 1.33 - —
smaller lots.....lb. 1.38 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —

Tartaric,[2] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70¼- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —

Thioglycolic, highly purified, bbls., cbys., basis 100%..lb. 3.50 - 7.00

Tobias, bbls.....lb. .55 - .60

Trichloroacetic, bots.....lb. 2.00 - 2.50

Tungstic,[1] CP, 100-lb. pkgs....lb. 2.04 - 3.10
pure, 100-lb. kgs.....lb. 2.86 - —

Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.35 - 1.40

Aconitine, amorph., bots.....oz.23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.43.00 -48.00
15-gr. vials.....vial. 1.60 - —

Acrylonitrile, dms., c.l., frt. alld. lb. .39½- —
l.c.l., works.....lb. .40 - .41
tanks, frt. alld.....lb. .39 - —

Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .33 - .34
pharmaceutical, dms., wks. lb. .32 - .33

Agar .....lb. 3.50 - —
San Diego, Cal.....lb. 3.00 - —

Agaric, white, bls.....lb. 3.75 - 4.00

Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls....lb. 2.12 - 2.20
granular, cryst., bbls.....lb. 2.07 - 2.15
tech., cryst., bbls.....lb. 1.20 - 1.25

Alcohol, allyl, dms., c.l., dlvd..lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —

Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).

Benzyl, cns. .....lb. .70 - .75
dms. .....lb. .65 - —

Butyl, normal,[1] ferment., Ill., Ind. prod., dms., c.l., frt. alld..lb. .1930- —
l.c.l., frt. alld. E....lb. .1960- —
tanks, frt. alld. E....lb. .1880- —
tankwagons, frt. alld.lb. .1880- —
other production, dms., c.l., frt. alld. E..lb. .1950- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¾- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ½c. per lb. higher.

secondary, dms., c.l., dlvd.lb. .066 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .064- —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —

Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.90 - 2.00

Cinnamic, bots.....lb. 3.00 - 3.25

Denatured,[1,7] CD14, dms., c.l., works, E..gal. .613 - —
l.c.l., works, E.....gal. .633 - .653
tanks, E. works.....gal. .543 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., dms., c.l., E. works..gal. .612 - —
l.c.l., works, E.....lb. .632 - .653
tanks, E. works.....gal. .542 - —
Anhydrous 5c. per gal. higher.

SD2B, dms., c.l., wks., E.gal. .604- —
l.c.l., works, E.....gal. .623- .643
tanks, E. works.....gal. .533- —

SD23G, dms., c.l., works...lb. .652 - —
l.c.l., works.....lb. .672 - —
tanks, works.....lb. .583 - —

SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .63 - .645
tanks, E. works.....gal. .54 - —

SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .640- .663
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .65 - —
l.c.l., works, E.....gal. .65 - .68
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10½- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb .10 - .12½

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—**Specific price ceiling**

[2]—**Price agreement (sellers with OPA)**

[3]—**General Limitation Order**

[4]—**General Preference Order**

[5]—**Conservation Order**

[6]—**Allocation**

[7]—**War Food Order**

Alcohol, ethyl, 190 pf., dms., c.l., works..gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works.gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., works.....lb. .23½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl, refd., dms., works.lb. .0660- —
tanks, works.....lb. .0760- —
Isopropyl, refd., 91%, dms., incl., c.l., divd..gal. .38 - —
l.c.l., divd.....gal. .41 - —
tanks, divd.....gal. .31½- —
99%, dms., incl., c.l., divd..gal. .41½- —
l.c.l., divd.....gal. .44½- —
tanks, divd.....gal. .35 - —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.10 - 2.35
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .60
Propyl, normal, dms., works, gal. .37 - —
smaller containers, works, gal. .32 - —
tanks, works.....gal. .30 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .53 - —
dms., c.l., Waverly, N. Y..lb. .50 - —
l.c.l., same basis.....lb. .56 - —
Aldol, dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —
Aletris root, bgs.....lb. 2.75 - 3.00
Algarobilla,[1] c.l., ex dock, long-ton.67.50 - —
Algarobilla price based on ocean frt. at $12 insurance per long ton.

Algin, bbls., fib. dms.....lb. .70 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .19½- .17
Allyl bromide, cbys., 5,000 lbs., works..lb. .32 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .12½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacao, kgs.....lb. .45 - .49
Socotrine, kgs.....lb. .43 - .44
Aloin, bbls., dms., kgs.....lb. 4.50 - 4.60
Alphanaphthol, bbls.....lb. .33 - —
Alphanaphthylamine, bbls.....lb. .33 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .32½- .33½
Alphapinene, dms., c.l., wks..gal. .80½- —
l.c.l., works.....gal. .91½- —
tanks, works.....gal. .86½- —
Alphaterpineol, dms., c.l., works. lb. .1240- —
l.c.l., works.....lb. .1320- —
tanks, works.....lb. .1200- —
Alphatocopherol, acp.....gram. 1.60 - 1.10
Althea root, NF, peeled, bls....lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs....lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.60 - —
divd., N. Y., Phil..100 lbs. 4.60 - —
powd., bbls., works...100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00

Alumina, classified grade, ground, kgs., works..lb. .35 - .37
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .16½- .46
Acetate, basic solution, 24%, bbls., divd..lb. .10½- .11
20%, bbls., divd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .09¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works..lb. .06½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., works..lb. .034 - .051
l.c.l., works.....lb. .035 - .040
light, bgs., divd.....lb. .14½- —
bbls., divd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al (OH)₃ dms., 10,000 lbs. or or more, f.o.b. ship't point. lb. .03 - .03½
ton lots, same basis..lb. .03½- .03½
smaller lots, same basis, lb. .03¾- .04
conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —
14-15% Al_2O_3, fib. dms., wks. lb. .20¾- —
contract, works.....lb. 19¾- —
dried, USP XII, fib. dms., works..lb. .75 - —
contract, works.....lb. .75 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17

Alumina, laurate, precip., bbls. lb. .25 - .26
Naphthenate, 1.7% Al, 50-gal. dms., works..lb. .12¾- —
Oleate, dms., contract.....lb. .34½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., ctn., c.l....lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, coml, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald.. 100 lbs. 1.40 - 1.90
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works frt. equald... 100 lbs. 1.60 - 1.70
iron-free, bgs, c.l., works. 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%, c.l.....lb. .15 - —
l.c.l. .....lb. .16 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .60
ink, 150-lb. dms.....lb. .71 - —
standard, 200-lb. dms.....lb. .52 - —
powder, lining, extra fine, 100-lb. dms..lb. .93 - —
litho, 169-lb. dms.....lb. .57 - —
standard, 200-lb. dms...lb. .59 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms....lb. .56 - —
varnish, stand., 300-lb. dms.. lb. .60 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dms., 2c. per lb. for 10-lb. can, and 6c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 19,999 lbs., and 4c. for 20,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .32 - .39
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia, anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.61.50 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld..lb. .42 - —
smaller lots, frt. alld....lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0504- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1060- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .06¼- .06¾
cns. .....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[2] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua)
Hypophosphite, NF, dms.....lb. 1.25 - 1.27
jars .....lb. 1.29 - 1.33
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.95 - —
Linoleate, 50%, anhyd., bbls.lb. .12 - —
Molybdate,[2] c.p., cryst. kgs.lb. 1.20 - 1.22
fine cryst., bbls., kgs.....lb. .94 - .97
purified, dms.....lb. 1.10 - 1.13
Nitrate,[1] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.25 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-limestone, 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .30
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- .08¾
Salicylate, NF, dms., kgs....lb. 1.15 - 1.18
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .84 - —
paste, dms.....lb. .06½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1] bulk, inland producing ovens..ton.29.20 - —
Atlantic coast ports.....ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .08 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .09 - —
Sulphocyanide, CP, bbls.....lb. .65 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.70
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works..... 100 lbs. 5.50 - 5.70
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .17½- —
tanks, divd.....lb. .16 - —
bz-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .12½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 - 1.60
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether, dms., c.l., works.....lb. .092 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Nitrite, USP, bots.....lb. 1.73 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .40 - .45

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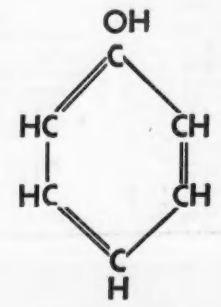
PHENOL U.S.P.

Carbolic Acid



C_6H_6O Mol. wt. 94.11

Phenol contains not less than 98 percent C_6H_6O

DESCRIPTION—Phenol occurs as colorless to light pink, interlaced, or separate, needle-shaped crystals, or as a white or light pink, crystalline mass. It has a characteristic odor. When undiluted, it whitens and cauterizes the skin and mucous membranes. When gently heated, Phenol melts, forming a highly refractive liquid. It is also liquefied by the addition of 10 per cent of water. Its vapor is inflammable. Phenol gradually darkens on exposure to light and air.

SOLUBILITY—One Gm. of Phenol dissolves in 15 cc. of water at 25° C. It is very soluble in alcohol, in glycerin, in chloroform, in ether, and in fixed and volatile oils. It is soluble in petrolatum and in liquid petrolatum.

CONGEALING TEMPERATURE—Phenol congeals at a temperature not lower than 39° C.

IDENTIFICATION—

A. An aqueous solution of Phenol yields with bromine T. S. a white precipitate which at first redissolves, but becomes permanent as more of the reagent is added.

B. Add 1 drop of ferric chloride T. S. to 10 cc. of an aqueous solution of Phenol (1 in 100): the liquid acquires a violet blue color.

NON-VOLATILE RESIDUE—Heat about 5 Gm. of Phenol, accurately weighed, in a tared porcelain dish, on a water bath until it is volatilized, and dry at 105° C. for 1 hour: not more than 0.05 per cent of residue remains.

REACTION—An aqueous solution of Phenol (1 in 15) is clear, and neutral or only faintly acid to litmus paper.

ASSAY—Dissolve about 1.5 Gm. of Phenol, accurately weighed, in sufficient distilled water to make 1000 cc. of solution. Transfer an aliquot of the solution, containing from 38 to 41 mg. of Phenol, to an iodine flask, add 30 cc. of tenth-normal bromine, then 5 cc. of hydrochloric acid, and immediately insert the stopper. Shake the flask repeatedly during 30 minutes, allow it to stand for 15 minutes, remove the stopper just sufficiently to introduce quickly 5 cc. of an aqueous solution of potassium iodide (1 in 5) being careful that no bromine vapor escapes, and at once stopper the flask. Shake thoroughly, remove the stopper, and rinse it and the neck of the flask with a little distilled water, so that the washings may flow into the flask. Add 1 cc. of chloroform, shake the mixture well, and titrate the liberated iodine with tenth-normal sodium thiosulfate, using starch T. S. as the indicator. Each cc. of tenth-normal bromine is equivalent to 0.001569 Gm. of C_6H_6O.

STORAGE—Preserve Phenol in tight, light-resistant containers.

U. S. P. PRODUCTS OF PHENOL—Phenol Liquefactum, Unguentum Phenolis.

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Anethol, com'l, dms., works..lb. .657 - .682
NF, dms.....lb. 2.50 - 3.00
Stearate, dms., works.....lb. .42 - —
Angelica dum. atropurpurea root, bls..lb. 1.00 - 1.85
imported, natural, bls.....lb. 2.50 - 3.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11½- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese, star, Pacific coast, bgs. lb. .40 - .41
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .34 - .35
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 3.00 - 3.25
Annatto, paste, bxs.....lb. .84 - .89
Seed, bgs.....lb. .08½- .09
Anthracene, 80-85%, bbls., works, lb. .56 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal,[1,4] bulk, c.l., works...lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16½- —
Chinese, black, 70% cs.....lb. .20 - .25
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .16 - —
l.c.l.....lb. .15½- —
paint grade, bgs., c.l.....lb. .16½- —
l.c.l.....lb. .16½- —
Salt,[1,6] 65%, bgs., c.l., dlvd. f. of Miss. River..lb. .40 - —
Sulphide,[1,6] 66-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —

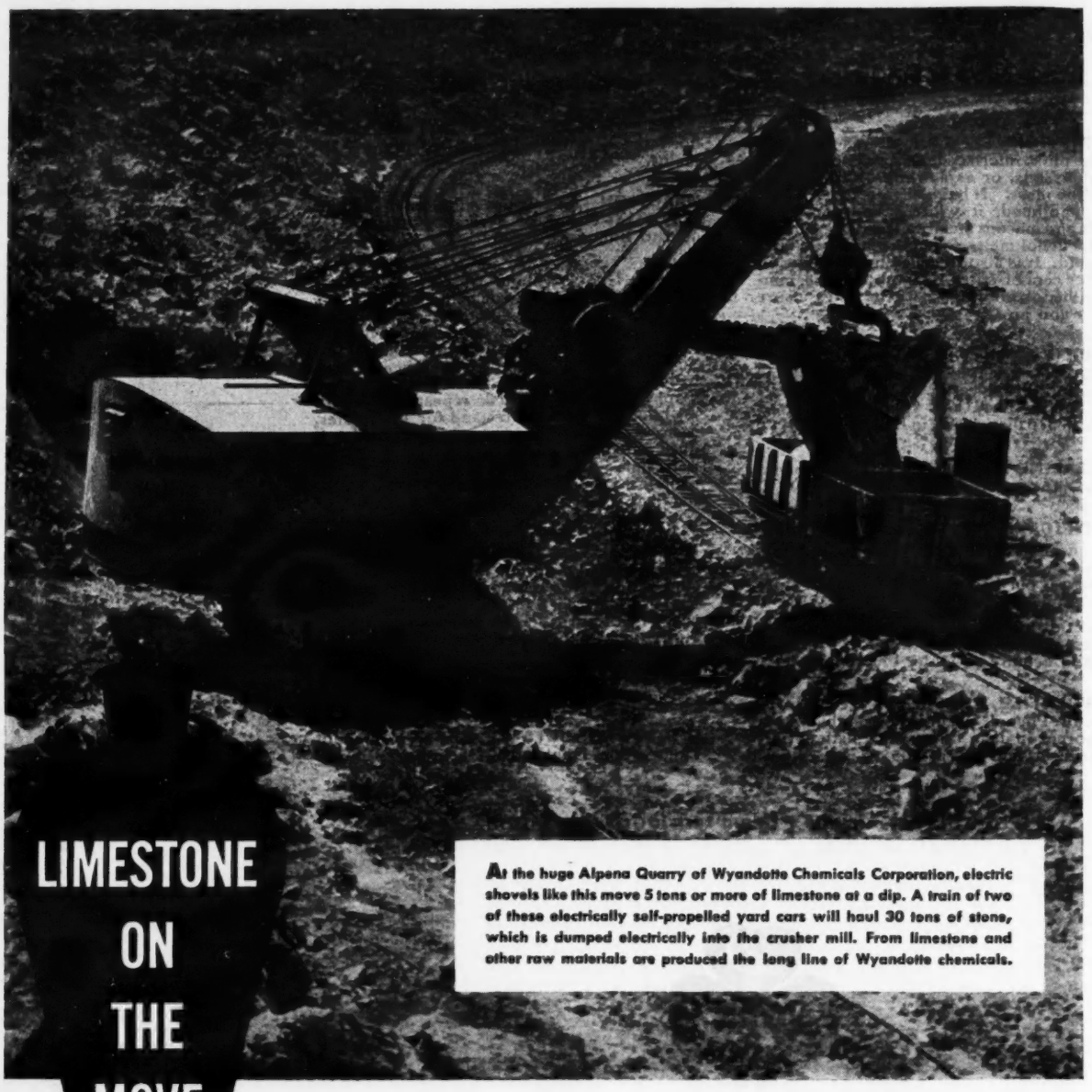
Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 32.20 -33.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .17 - .18
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos (100% purity).80.00 -82.00
Arnica flowers, bls.....lb. 2.25 - 2.80
Arrowroot, powd., bgs., bbls...lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l.....lb. .04½- —
Asafetida, cs.....lb. .58 - .66
powd., bbls., dms.....lb. .78 - .80
Asbestine (see Talc, N. Y. fibrous).
Asbestos, fiber[1] 5D and 5K bgs., c.l. (20 tons), Cana. mines. ton.49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton.44.00 - —
6D, bgs., c.l. (20 tons), same basis..ton.33.00 - —
7D, bgs., c.l., same basis.ton.28.50 - —
7F, bgs., c.l., same basis.ton.26.50 - —
7H, bgs., c.l., same basis.ton.22.50 - —
7K, bgs., c.l., same basis.ton.19.00 - —
7M, bgs., c.l., same basis.ton.16.50 - —
7R, bgs., c.l., same basis.ton.15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton.36.40 - —
l.c.l.....ton.41.40 - —
Cuba A, bulk, c.l.....ton.60.00 - —
l.c.l.....ton.90.00 - —
B, bulk, c.l.....ton.32.50 - —
.....ton.55.00 - —

Asphaltum, Egyptian.....ton. No stocks
Gilsonite,[1] brilliant black, selects, 340° F. fusing point, bgs., mines..ton.30.00 -32.00
270-295° fusing point, bgs., mines..ton.20.50 - —
seconds, 300-320° F. fusing point, not uniform, bgs., mines..ton.25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton.30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05½- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton.30.50 - —
Mexican, refd., dms., Tampico, Mex. metric ton.27.50 - —
South American, refd., dms., c.l., N. J. refy..ton.22.00 -23.00
l.c.l., same basis.....ton.24.00 -25.00
tanks, same basis.....ton.15.00 - —
Atropine, bots.....oz. 7.35 - —
Sulphate, bots.....oz. 5.75 - 6.15

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[1] (see Cube root).
Barberry root bark, bgs.....lb. .75 - .80
Barbital, dms.....lb. 3.50 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.60.00 -70.00
l.c.l., works.....ton.65.00 -75.00
bbls., c.l., works.....ton.65.00 -75.00
l.c.l., works.....ton.70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31

Barium chloride, CP, cryst., bbls. lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst., bgs., c.l., works. ton.73.00 - —
l.c.l., works.....ton.78.00 - —
bbls., c.l., works.....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.90
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09½- .11½
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .14
grd., dms., l.c.l., works....lb. .13 - .16
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .81 - —
smaller lots.....lb. .82 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs.....lb. .12 - —
Barytes,[1] floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
-x whse., N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis.ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse., N. Y.....ton.34.00 - —
Southern, off-color, bgs., mines, ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.00 - 1.10
Root, bls.....lb. 1.50 - 1.80
Bentonite, 200 mesh, bgs., works, ton.11.00 - —
325 mesh, bgs., works....ton.16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .80
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.65
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .30 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .30
Peroxide, pure, gran., fib. ctns., works..lb. 1.65 -
Benzyl acetate, f.f.c., cns.....lb. .60 - .75
dms.....lb. .55 - —
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., dms.....lb. 1.05 - 1.15
Chloride, cbys., frt. equal..lb. .22 - .24
Cinnamate, cns.....lb. 4.60 - 4.85
Formate, cns.....lb. 2.70 - 2.75
Propionate, bots.....lb. 1.85 - 2.40
Salicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.80
Benzylisoeugenol, bots.....lb. 2.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .50 - .54
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, rst. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98.99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 3.00 - —
jars.....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.89
jars.....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns.....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.55
bots., cns.....lb. 1.59 - 1.65
X-ray, 5-lb. bots.....lb. 2.70 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.55
fib. dms.....lb. 1.40 - 1.45
Subiodide, bots.....lb. 4.10 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.25
bots.....lb. 1.30 - 1.35
Subsalicylate, USP, bbls., fib. dms..lb. 2.60 - —
5-lb. cns.....lb. 2.64 - 2.69
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns.....lb. 3.45 - 3.50
Black, acetylene, bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .16 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .09½- —
400A, bgs., bbls., c.l., same basis..lb. .09½- —
457, bgs., bbls., c.l., same basis..lb. .11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
dlvd. or whse.....lb. .062 - —
uncompressed, regular, bgs., c.l. works..lb. .0625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works...lb. .06½- —
ctns., l.c.l., whse.....lb. .08 - —
Thermatomic, bgs., c.l., works, La...lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06½- —
Charcoal (see C).
Graphite (see G).



LIMESTONE ON THE MOVE

At the huge Alpena Quarry of Wyandotte Chemicals Corporation, electric shovels like this move 5 tons or more of limestone at a dip. A train of two of these electrically self-propelled yard cars will haul 30 tons of stone, which is dumped electrically into the crusher mill. From limestone and other raw materials are produced the long line of Wyandotte chemicals.

WYANDOTTE CHEMICALS CORPORATION

ONE OF THE WORLD'S GREAT PRODUCERS OF CHEMICALS

SODA ASH
CAUSTIC SODA
BICARBONATE OF SODA
CALCIUM CARBONATE
CALCIUM CHLORIDE
CHLORINE
HYDROGEN
SODIUM ZINCATES
AROMATIC INTERMEDIATES
DRY ICE
Other Organic and Inorganic Chemicals

WYANDOTTE CHEMICALS CORPORATION
MICHIGAN ALKALI DIVISION • WYANDOTTE, MICHIGAN

Wyandotte
REG. U. S. PAT. OFF.

Iron oxide, magnetic, pure, bbls., l.c.l., works	lb.	.06¼- —
Lamp, 1, ctns., c.l., works	lb.	.08½- —
l.c.l., works	lb.	.09 - —
2, ctns., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11 - —
2A, ctns., c.l., works	lb.	.12 - —
l.c.l., works	lb.	.13½- —
3, ctns., c.l., works	lb.	.14¼- —
l.c.l., works	lb.	.15¼- —
4, ctns., c.l., works	lb.	.16½- —
l.c.l., works	lb.	.17½- —
5, ctns., c.l., works	lb.	.20 - —
l.c.l., works	lb.	.26 - —
6, ctns., c.l., works	lb.	.26½- —
l.c.l., works	lb.	.27½- —
7, ctns., c.l., works	lb.	.37½- —
l.c.l., works	lb.	.38½- —
Mineral, vine type, bbls., l.c.l., works	lb.	.04¾- —
Vine A, bbls	lb.	.04½- .05
B, bbls	lb.	.05¾- —
kegs	lb.	.06 - —
Black dyes (see Dyes)		
Black haw root bark, bls	lb.	.84 - .85
Tree bark, bls	lb.	.40 - .45
Black Indian hemp root, bls	lb.	.80 - .83
Blanc fixe, dry, by-product, bgs., c.l., works	ton.	60.00 - —
l.c.l., works	ton.	67.00 - —
direct process, bgs., c.l., works	ton.	70.00 - —
bbls., c.l., works	ton.	75.00 - —
l.c.l. works	ton.	80.00 - —
pulp, 66%, bbls., c.l., works	ton.	40.00 - —
l.c.l., same basis	ton.	46.50 - —
Bleaching powder,[3] dms., c.l., works..100 lbs.		2.60 - 2.10
l.c.l., works..100 lbs.		2.75 - 2.00
Blood,[4,7] dried, 16-16¼% ammon., bgs.	unit-ton.	5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago	unit-ton.	5.53 - —
soluble, bgs., c.l., Chicago	lb.	.15¼- —
l.c.l., Chicago	lb.	.18 - .20
Bloodroot, bls	lb.	.65 - .70
Blue,[1] alkali, dry, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	1.75 - —
Toner, bbls., same basis	lb.	.95 - .99
Celestial, bbls., same basis	lb.	.10 - .12
Chinese, bbls., same basis	lb.	.90 - —
Cobalt, genuine, bbls., same basis	lb.	4.90 - —
Imitation (see Blue, ultramarine)		
Copper phthalocyanin, full strength, bbls., same basis.	lb.	3.50 - 3.75
30%, bbls., same basis	lb.	3.00 - —
green shade, bbls., same basis.	lb.	4.80 - 4.90
Blue iron (see Blue, Chinese, Milori, Potash Prussian, and Soda).		
Milori, bbls., same basis	lb.	.86 - —
Molybdated, Victoria, bbls., same basis	lb.	3.15 - —
Peacock, fugitive, 100% color strength, same basis	lb.	.52 - —
permanent toner, green shade, molybdic, bbls., same basis	lb.	3.50 - —
tungstic	lb.	4.00 - —
Potash, CP, bbls., same basis.	lb.	.42 - —
Prussian, bbls., same basis	lb.	.26 - —
soluble, bbls., same basis	lb.	.36 - —
Soda, CP, bronze, bbls., same basis	lb.	.36 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis.	lb.	.23 - .27
jobbing type, dry, bbls., same basis	lb.	.12 - .13
regular types, dry or pulp, bbls., same basis	lb.	.17 - .27
Victoria, toner, molybdic, bbls.,	lb.	3.15 - —
tungstic, bbls	lb.	3.30 - —
ink toner, bbls., same basis.	lb.	1.63 - —
synthetic vehicle, bbls., same basis	lb.	1.93 - —
Violet, toner, molybdic, kgs., same basis	lb.	1.25 - —
tungstic, kgs., same basis	lb.	2.10 - —
Blue dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.		
Blue dyes are listed under Dyes.		
Blue mass, NF, cns., tube	lb.	1.58 - 1.75
powd., bots., cns., dms	lb.	1.61 - 1.75
Blueflag root, bls	lb.	.70 - .75
Bluestone (see Copper sulphate).		
Blue vitriol (see Copper sulphate).		
Bone,[7] raw, bulk, Chicago	ton.	57.00 -65.00
junk, bulk, same basis	ton.	35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works	ton.	37.50 - —
Chicago, works	ton.	39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works	ton.	48.50 - —
Chicago, works	ton.	50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works	ton.	38.50 - —
Chicago, works	ton.	36.00 - —
Phosphate, defluorinated (see D).		
Precipitated (see Calcium phosphate tribasic precip.).		
Boneset leaves, bls	lb.	.16 - .17
Borage flowers, bls	lb.	No stocks
Borax, tech., 99½% gran., bulk, c.l., frt. alld.	ton.	41.50 - —
bgs., c.l., frt. alld.	ton.	45.00 - —
ton lots, ex whse.	ton.	56.00 - —
less ton lots, ex whse.	ton.	61.00 - —
bbls., c.l., frt. alld.	ton.	55.00 - —
ton lots, ex whse.	ton.	66.00 - —
less ton lots, ex whse.	ton.	71.00 - —
powd., bgs., c.l., frt. alld.	ton.	50.00 - —
ton lots, ex whse.	ton.	61.00 - —
less ton lots, ex whse.	ton.	66.00 - —
bbls., c.l., frt. alld.	ton.	60.00 - —
ton lots, ex whse.	ton.	71.00 - —
less ton lots, ex whse.	ton.	76.00 - —
USP, $15 per ton higher.		
Bordeaux mixt., dms., c.l., whse., works, frt. alld.	lb.	.11 - —
l.c.l., same basis	lb	.11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).		
Brimstone (see Sulphur).		
Bromine, purified, cs., c.l., frt. alld. E. of Rockies	lb.	.21 - —
1,000 lbs., frt. alld. E. of Rockies	lb.	.23 - —
single pkgs., same basis	lb.	.28 - —
Brasilwood extract (see Hypernic).		
Bromoform, USP, bots	lb.	1.50 - —
cbys.	lb.	1.42 - —
Bromstyrol	lb.	5.20 - 5.25
Bronze powder, aluminum (see A).		
Gold, litho., cns., dms., works	lb.	.60 - .65
moulding, cns., dms., same basis	lb.	.80 - 1.00
printing ink, cns., dms., same basis	lb.	.85 - 1.20
radiator, cns., dms., same basis	lb.	.45 - .50
Broomtop, bls	lb.	.14 - .15
Brown, iron-oxide, pure, precip., cks., works	lb.	.12 - —
Metallic, bbls., c.l., works	lb.	.02½- —
Sap, crystals, works	lb.	.12 - —
powdered	lb.	.13 - —
Sienna, burnt, American, bbls., works	lb.	.03¾- .05
pap. bgs., c.l., same basis	lb.	.0235- —
Italian type, bbls., works	lb.	.08¾- .10¾
raw, American, bbls., works	lb.	.04 - .10
Italian type, bbls., works	lb.	.08 - 10
Brown, umber, burnt, American, bbls., works	lb.	.08¼- —
Italian-type, bbls., works	lb.	.04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y.	lb.	.04¾- —
St. Louis, Chicago, Indianapolis, New Orleans	lb.	.05¼- —
Minneapolis	lb.	.0535- —
Pittsburgh	lb.	.05 - —
ex car, Los Angeles	lb.	.05¾- —
Portland, San Francisco, Seattle	lb.	.05½- —
ex whse, Los Angeles	lb.	.05⅝- —
Portland, San Francisco, Seattle	lb.	.05¾- —
Vandyke, reg., bbls., works	lb.	.09 - —
special, bbls., works	lb.	.12 - —
Brucine, cns., 100 ozs	oz.	.35 - —
Sulphate, cns., 100 ozs	oz.	.30 -
Bryonia root, bls	lb.	.60 - .65
Buchu leaves, bls	lb.	.83 - .85
Buckthorn bark, bls	lb.	.45 - .46
Berries, bgs	lb.	.60 - .70
Burdock root, bls	lb.	.35 - .37
Burgundy pitch, dom., dms	lb.	.08 - —
Butane,[1] indust., tanks, Group 3.	gal.	.03½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R.	lb.	.1860- —
l.c.l., same basis	lb.	.1910- —
tanks, same basis	lb.	.1760- —
tankwagon, same basis	lb.	.1810- —
other production dms., c.l., same basis	lb.	.1900- —
l.c.l., same basis	lb.	.1950- —
tanks, same basis	lb.	.1800- —
synthetic, dms., c.l., same basis	lb.	.11¼- —
l.c.l., same basis	lb.	.12¼- —
tanks, same basis	lb.	.10¾- —
secondary,[1] dms., c.l., divd. E. of Miss. R.	lb.	.09½- —
l.c.l., same basis	lb.	.10 - —
tanks, same basis	lb.	.08½- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.		
Aldehyde, dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Ether (see Ether, butyl).		
Lactate, dms., works	lb.	.26½- —
Laurate, dms., works	lb.	.42 - —
Myristate, dms., works	lb.	.41 - —
Oleate, ref., dms., l.c.l., works.	lb.	.35 - —
tech., dms., c.l., works	lb.	.24 - —
l.c.l., works	lb.	.24½- .25¼
Phenylacetate, dms	lb.	2.00 - 2.25
Phthalate (see Dibutyl phthalate).		
Butyl propionate, dms., divd.	lb.	16½- .17
tanks, divd.	lb.	.15½- —
Stearate, dms	lb.	.81½- —
Butyric ether, bots	gal.	6.50 - 6.95
cns., works	lb.	.65 - .70
dms., works	lb.	.60 - —

C

Cadmium bromide, bots	lb.	1.84 - 1.91
jars	lb.	1.65 - 1.70
Iodide, bots	lb.	4.23 - —
cns.	lb.	4.00 - —
Lithopone (see Yellow).		
Metal,[1,5] ingots or sticks, divd.	lb.	.99 - —
pat. shapes, cs., divd	lb.	.95 - —
Selenide (see Red).		
Sulphide (see Yellow).		
Caffeine,[1] dms., 100 lbs. or more.	lb.	2.80 - 2.85
smaller lots	lb.	2.95 - 3.25
anhydrous, dms., 100 lbs. or more	lb.	3.00 - 3.08
smaller lots	lb.	3.15 - 3.45
Citrated, dms., 100 lbs. or more.	lb.	1.95 - —
smaller lots	lb.	2.05 - 2.30
Hydrobromide, bots	lb.	5.29 - 5.37
Calabar beans, bgs., futures.	lb.	.60 - .65
Calamus root, natural, dom., bls.	lb.	.70 - .75
Calciferol, in corn oil, dms., 10,000 units or more, works.	unit.	.10 - —
1,000 to 10,000 units, works,	unit.	.11 - —
less than 1,000 units, works,	unit.	.12 - —
Calcium acetate, bgs., divd.	100 lbs.	3.00 - 4.00

Spot Deliveries

COPPER SULPHATE
88% - 92% SOAP POWDER & SOAP FLAKES
HEAVY CALCINED MAGNESIA White
DICALCIUM PHOSPHATE Pure Food Grade
CAUSTIC POTASH
SODIUM BICHROMATE
BLEACHING POWDER 35% - 37%
DDT
CAUSTIC SODA
MAGNESIUM METAL POWDER High Purity
ZINC OXIDE American Process
METHYLENE CHLORIDE
ALUMINUM ACETATE

OTHER SPECIAL PRODUCTS

Distributors for THE RUFERT CHEMICAL COMPANY

NICKEL FORMATE • Also NICKEL CATALYST • NICKEL CARBONATE
NICKEL OXIDE, etc.

GOLWYNNE
CHEMICALS CORPORATION

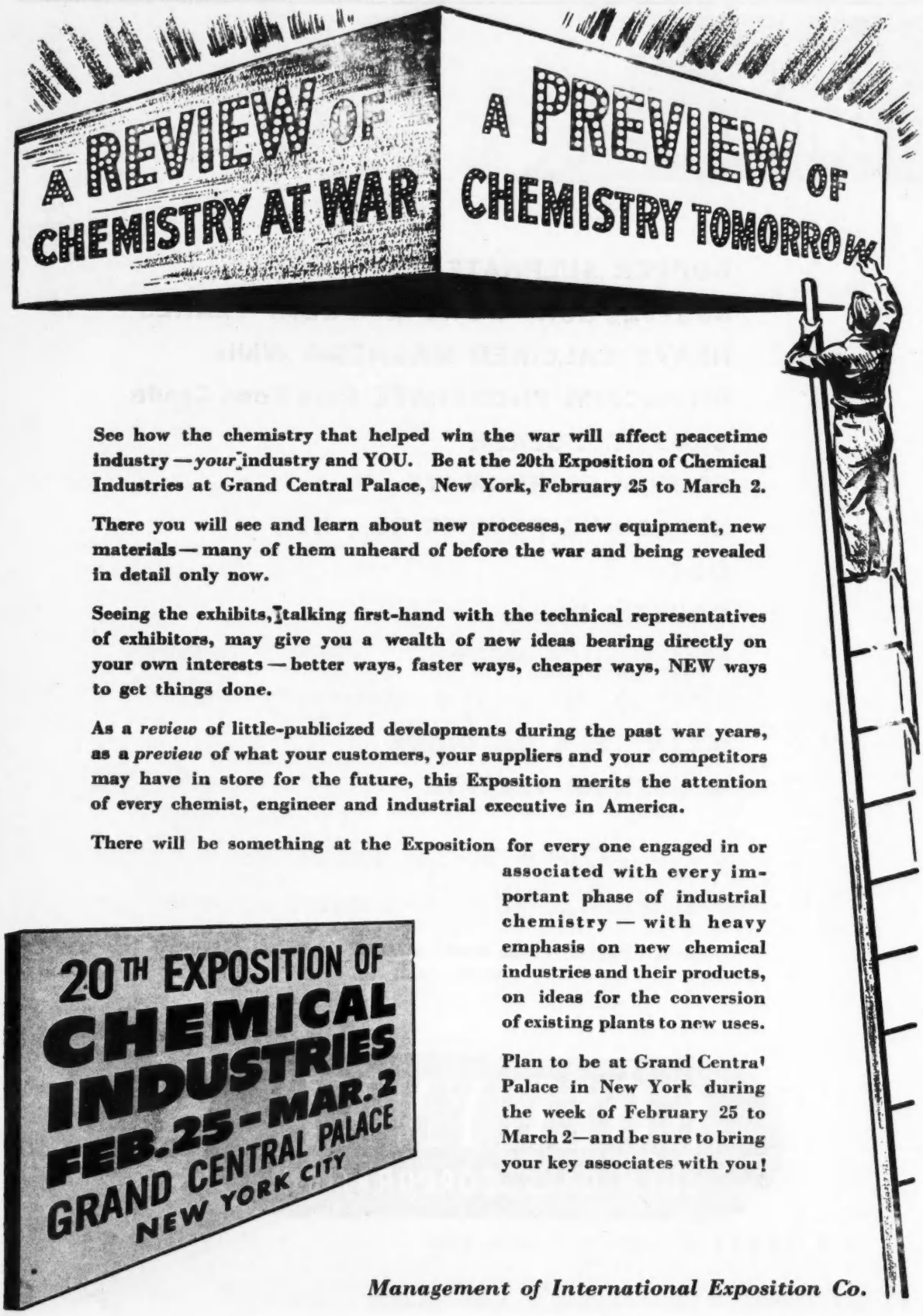
420 LEXINGTON AVENUE • NEW YORK 17, N. Y. • PHONE LE 2-9740

Calcium, arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[1] dms., c.l., works.ton.50.00 - —
dlvd.....ton.57.00 -60.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.38.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -24.50
l.c.l., dlvd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $3.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluconate, USP, gran., bbls..lb. .52 - —
dms.....lb. .57 - .59
cns.....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —
Glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .31 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .26 - .28
Mandelate, USP, dense, fluffy, dms..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —

Calcium, phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 ton or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs. 100 lbs.11.40 -13.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0625- —
bgs., l.c.l., works.....lb. .0645- .0650
Resinate, precip., 5.2% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Calcium stearate, precip., ctns., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .29
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works. ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Sulphocarbolate, bbls.....lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13½- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.65
Calomel, bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth., tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55

Camphor, USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides.....lb. No stocks
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type..lb. .64 - .65
Canadian, bgs.....lb. .63 - .64
Danish, bgs., futures.....lb. .63 - .64
Dutch, bgs., futures.....lb. .64 - .65
Morocco, dewhiskered, futures, bgs..lb. .62 - .63
Spanish, dewhiskered, bgs..lb. No stocks
Syrian, dewhiskered, futures, bgs..lb. .88 - .89
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
95%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .30 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l. same basis.....lb. .08 - .08½

Carbon dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l. lb. .07½- —
l.c.l. .....lb. .09 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l. frt. alld.....gal. .87 - —
5 or 10 gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l. gal. .88 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19
Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans. 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho., Nev., Ore., Utah, Wash. and Montana points W. of Billings.
Cardamom,[1] bleached, bold, cs., lb. 1.35 - 1.40
medium, cs.....lb. 1.30 - 1.35
decorticated, Guatemala, cs..lb. 1.10 - 1.12
India, cs.....lb. 1.15 - 1.20
green, Alleppey, bgs.....lb. .90 - .92
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.80 - —
50,000 USP units per gm., bots., works..lb. 6.45 - —
dms., works.....lb. 7.65 - —
8,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.20.00 -22.00
Cascara sagrada bark, bulk....b. .43 - .45
Case-hardening mixture, 50% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24¼- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26½- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .24 - —
rennet-precip., unground, bgs., 100 bgs. or more..lb. .26½- .26½
Cassia,[1,7] China, buds, bgs., futures..lb. .46 - .47
rolls, selected, cs., futures, lb. .46 - .47
extra select, broken, bls., futures..lb. .42 - .45
Cassia fistula, bskts.....lb. .26 - .28
Castor beans,[7] bgs., Brazilian ports..leng ton.100.00 -102.00
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.00 -18.00
synth, bots.....lb.10.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed,[1] French, bgs.....lb. No stocks
Indian, bgs.....lb. .22¼- .22¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld...lb. .47 - —
smaller pkgs. works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.. lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Granules are 5c. per lb. higher, all quantities.
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works...lb. .48 - —
Granules are 5c. per lb. higher, all quantities.
Cellulose triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.32.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .52 - .53
Roman, bls., futures.....lb. 1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works..ton.31.25 - —
bur. bgs., ret., c.l., works. ton.31.00 -33.75
briquets, bulk, c.l., works... ton.35.00 - —
bgs., c.l., works.....ton.40.00 -41.00



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There will be something at the Exposition for every one engaged in or associated with every important phase of industrial chemistry — with heavy emphasis on new chemical industries and their products, on ideas for the conversion of existing plants to new uses.

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Prior to this research, magnesium had been confused with other metals. The alchemists mentioned "magnesia" but the name seems to have been a very elastic one with them. In Pomet's "History of Drugs," published in 1712, "magnesia" meant manganese. It was not until the studies of Davy and Bussy in the nineteenth century that magnesium was clearly defined as a separate element.

Magnesium burns brilliantly when heated in air or oxygen, or even in carbon dioxide, emitting a brilliant white light. This light is rich in ultra-violet rays and consequently is highly useful in photography.

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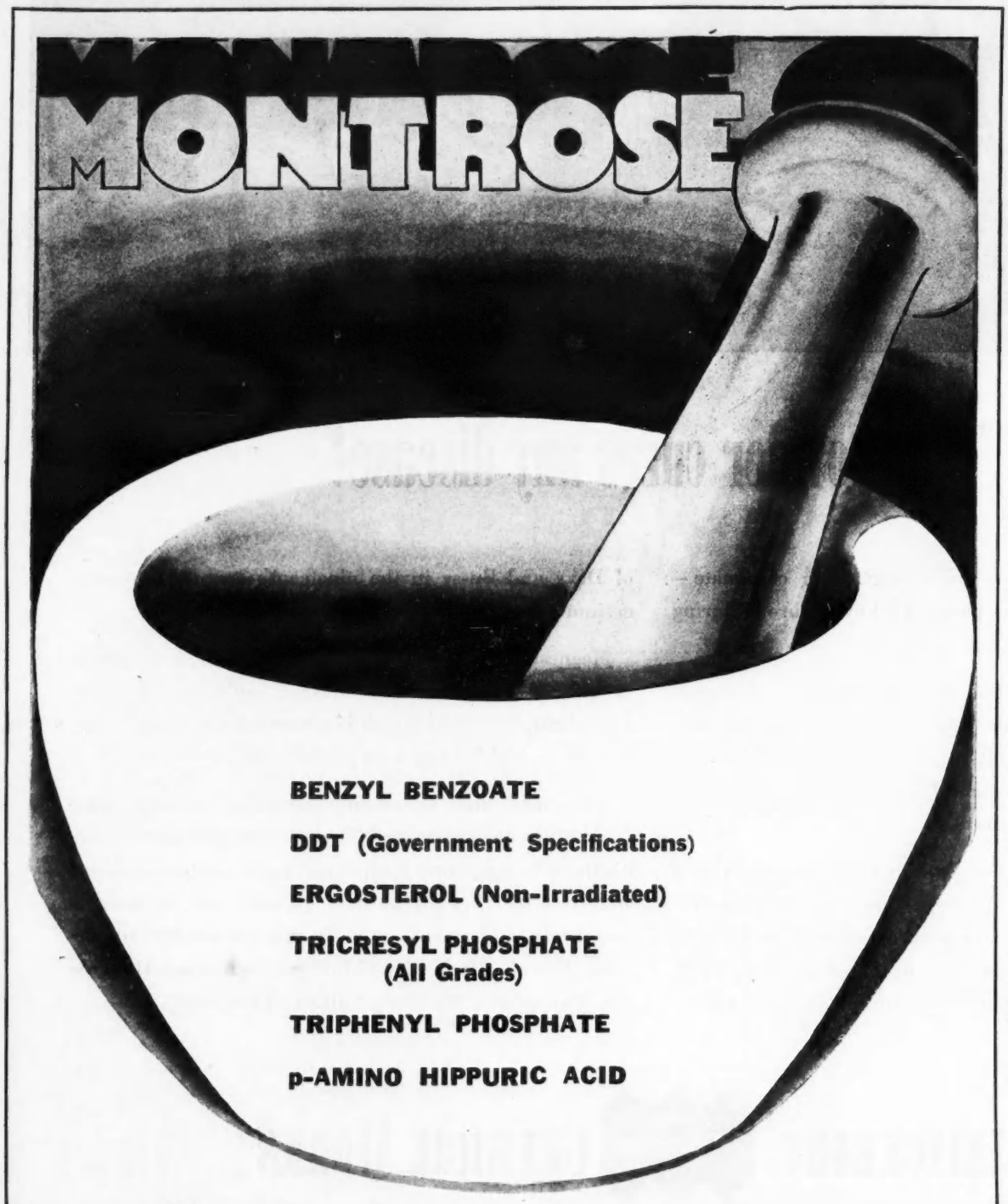
Charcoal, granular, all grades, bgs., incl., works..ton.44.00 - —
screenings, bur. bgs., ret., c.l., works..ton.28.00 - —
Pinewood,[1] lump, bgs., c.l., Southern shipping points.., ton.20.00 - —
granular, powd., bgs., c.l., works, South..ton.30.20 - —
Willow, powd., bbls.....lb. .06 - .07
l.c.l., works.....ton.41.00 - —
Chestnut extract,[1,6] standard 25% tannin, bbls., c.l., works..100 lbs. 2.22 - 2.55
l.c.l., works.....100 lbs. 2.47 - 2.86
tanks, works.....100 lbs. 2.62 - 2.96
powdered, 65% tannin, bags extra, c.l., works.100 lbs. 7.46 - 8.32
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).
China clay,[1] dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works, ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks.,l .c.l., ex whse.ton.41.00 -
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .96
Chlorinated rubber,[8] standard, ctns., 100 lbs. up, works.lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05¼- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
Chlorine, tanks, single units, works, frt. equald.100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..200 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1 wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .25
USP, dms.....lb. .30 - .35
Chloropicrin, com'l, 180-lb. cyl., 100-lb. cyls., same basis...lb. .82 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 23% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .32
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Chrome fluoride, bbls., wks....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Ore[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cas..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchonine[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchophen, NF, heavy, dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms....lb. .85 - .95
Cinnamon,[1,7] Ceylon, O, bis., fu-tures..lb. .5202- —
OO, bls., futures.....lb. .5320- —
OOO, bls., futures.....lb. .5407- —
OOOO, bls., futures.....lb. .5494- —
No. 1, bls., futures.....lb. .5145- —
2, bls., futures.....lb. .5058- —
3, bls., futures.....lb. .4958- —
4, bls., futures.....lb. .4858- —
Citral, bots., cns.....lb. 4.50 - 6.50
Citrine, ointment, jars.....lb. .95 - 1.15
Citronellal, bots., dms.....lb. No prices
Citronellol, bots., dms.....lb. No prices
Clove,[1] Madagascar, bls.....lb. .15½- .16
futures, bls.....lb. .16 - .16½
Zanzibar, bls.....lb. .17¼- .17¾
futures, bls.....lb. .17 - .17½
Clover tops, red, dom., bgs....lb. .50 - .55
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, 50 gal., bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., 50-gal., bbls., c.l, wks. bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .08½- —
water-gas, crude, 55 gal., dms., c.l., works..bbl. 9.25 - —
l.c.l., works.....dm. 8.75 - —
refd., 55-gal. dms., c.l., wks. dm. 8.75 - —
l.c.l., works.....dm. 9.25 - —
Cobalt acetate, bbls., kgs., dlvd.. lb. .83¾- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate, powd., bgs., works.. lb. 1.58 - —
feed grade, 23% Co, kgs....lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate, bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs....lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[1] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Cobalt sulphate, dms.....lb. .65 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co. kgs..lb. .75 - ...
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt.lb. .25 - —
Cocillana bark, bgs.....lb. No prices
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.60 - —
Sulphate, cns., 100 ozs.....oz. 9.60 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .19
blue, bls.....lb. .22 - .23
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .29½
Flexible, USP, dms.....lb. .21 - .22
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .17 - .18
Coltsfoot leaves, bgs.....lb. No stocks
Condurango bark, bgs.....lb. .12 - .13
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. .95 - 1.00
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks..lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
crystals, bbls.....lb. .14¾- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[1] tech., cryst., bbls..lb. .19¼- .20¼
Oleate, precip., bbls.....lb. .22½- .28½
Oxide, black, bbls., works...lb. .10 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.5% Cu, 125-lb. dms..lb. .13½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 30,000 lbs., 100 lbs. 5.15 - 5.50
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd.100 lbs.10.20 - —
smaller lots, dlvd..100 lbs.10.95 - —
dms., c.l., dlvd.....100 lbs. 8.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.55 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, bgs. lb. .09½- .10
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .09½- .10
So. American, bgs.....lb. .10 - .10½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l., dlvd. 100 lbs. 4.221 - —
43°, bbls., c.l., dlvd..100 lbs. 4.271 - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .22 - .25
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .67½- —
smaller lots, bbls., kgs., lb. .58 - .58¼
imported, bls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.30
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .247 - .3325
l.c.l., same basis....gal. .27 - .35
tanks, same basis....gal. .18 - .18½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .31 - .32
Cresol,[2,8] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .18 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .08½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .26
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs., futures.....lb. .34½- .35
Morocco, bgs.....lb. No stocks
Syrian, bgs.....lb. .40 - .41
Cutch, bgs.....lb. No stocks
Cyanamid,[3] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.52½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 98 - 100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .37 - —

D

Damiana leaves, bls.....lb. .43 - .46
Dandelion root, bls.....lb. .70 - .75
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works.lb. .55 - .60



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Decanol, normal, tech., dms., dlvd..lb. .35 - —
Deertongue, bls.....lb. .34 - .35
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 2% ffa, bbls....lb. .28 - .30
over 2% ffa, bbls.....lb. .26½- .28½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l.. 100 lbs. 5.29 - —
Chicago .....100 lbs. 4.93 - —
l.c.l. .....100 lbs. 5.39 - —
Chicago .....100 lbs. 5.03 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.68 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.78 - —
white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¾
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots...lb. 5.50 - 5.55
laboratory grade, bots..... 100 grams. 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Amyl ether).
Phthalate,[6] dms., c.l., dlvd..lb. 2170- .2200
l.c.l., dlvd.....lb. .2220- .2250
tanks, dlvd.....lb. .2070- .2106
Sulphide, l.c.l., dms., works..lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat. bgs., c.l., Pacific coast. ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton.85.00 - 90.00
imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2270- .2909
1-gal., cns., works.....gal. .2470- .3100
dms., c.l., works.....lb. .1720- .2359
l.c.l., works.....lb. .1770- .2409
tanks, works.....lb. .1620- .2259
Sebacate, dms., c.l., works..lb. .4800- .5075
l.c.l., works.....lb. .4850- .5125
tanks, works.....lb. .4600- .4975
Tartrate, dms., works, frt. alld. lb. .92 - 1.02
Dibutylamine, dms., c.l., works.. lb. .66 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms..lb. .25 - —
refd., 90%, dms.....lb. .80 - —
Oxalate, dms., c.l., dlvd.....lb. .30½- —
l.c.l., dlvd.....lb. .31 - —
Phthalate,[6] dms., c.l., dlvd..lb. .2025- .2120
l.c.l., dlvd.....lb. .2075- .2170
tanks, dlvd.....lb. .1925- .2050
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld.in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Diethyleneglycol, monoethylether, dms., c.l., wks..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.10 - 1.15
Diglycol laurate, dms.....lb. .31 - .32
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works of N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, natural cleaned, bgs., lb. No stocks
decorticated, bgs.....lb. .13 - .13½
dewhiskered, bgs.....lb. .10 - .10½
Dimethyl phthalate, dms., c.l., dlvd..lb. .16¾- —
l.c.l., dlvd.....lb. .19¼- —
tanks, dlvd.....lb. .17¾- —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .18 - —
oily, dms.....lb. .05 - —
Diorthotoluoiguanidin, dms., ton lots, dlvd..lb. .44 - —
smaller lots, dlvd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., dlvd. E..gal. .55 - .56
tanks, dlvd. E.....gal. .45 - —
steam-dist., dms., dlvd. E..gal. .56 - .58
tanks, dlvd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works...lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., tons..lb. .35 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,5] 42% tannin, c.l., U.S. ports, ex dock..ton.67.00 - —
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .50 - .55
Dogwood, Jamaica, bark, bls..lb. .10 - .11
Dover's powder, USP, cns....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb.13.00 - —
Green, FD&C, No. 1, cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 3.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —

Dyes, coaltar (certified colors for foods, drugs and cosmetics).
Yellow, FD&C, No. 1, cns..lb. 3.00 - —
No. 3, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C, No. 1, cns.....lb. 8.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —
Orange, D&C, No. 3, cns....lb. 8.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.85 - —
Red, D&C, No. 8, cns.....lb. 2.85 - —
No. 17, cns.....lb. 8.35 - —
No. 18, cns.....lb.15.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 8.35 - —
No. 33, cns.....lb.13.35 - —
No. 37, cns.....lb.12.35 - —
Yellow, D&C, No. 7, cns.....lb. 8.35 - —
No. 8, cns.....lb. 8.35 - —
No. 11, cns.....lb.10.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics)—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1 cns...lb.10.35 - —
No. 3, cns.....lb.21.35 - —
No. 8, cns.....lb. 7.35 - —
No. 10, cns.....lb.12.35 - —
No. 13, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
86 Chrome yellow, 2G...lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
202 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .85 - .88
304 Paper yellow.....lb. .83 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
365 Chyrophenin G.....lb. .58 - .70
382 Direct scarlet B.....lb. 1.15 - 1.20
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .60 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F.....lb. .70 - .73
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
495 Benzo purpurin 10B..lb. .40 - .50
lb. .35 - .50
502 Direct azcrin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW.....lb. .50 - .54
582 Direct black RX.....lb. .35 - .45

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
592 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .70 - .73
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble).
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L..lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .30 - .50
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
605 Nigrosin derivatives....lb. .36 - .44
Blue—
7075 Alizarin astral base...lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —

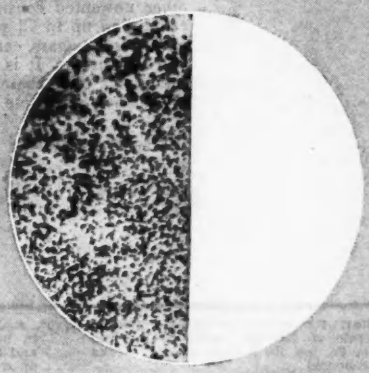
ONE OF 96 DOW CHEMICALS USED BY THE PHARMACEUTICAL INDUSTRY

they quit painting with mold

Mold has a special appetite for paint. It likes practically all kinds, but its favorites are water soluble and emulsion types because of their high protein content.

When paint manufacturers presented their problem, Dow technicians gladly accepted the challenge. For they are probably the No. 1 enemy of mold, having fought it zealously for years. The "half and half" circle at the right proves how well Dow research men succeeded in combating mold in paint by mixing Dowicide in it during the manufacturing process. After 30 days' exposure in a humidity chamber, the Dowicide-treated portion remained free of mold. The untreated section on the left of the circle was dark with mold. Paint fortified with Dowicide resists mold even under conditions of dampness such as may prevail in breweries, canneries, dairies, textile and paper mills. The result is better light reflection, less loss from frequent renovations and shutdowns.

Today, there is a total of seventeen related Dowicide products. Each is designed for a special job but all are ready to help you with any mold problem that may exist under conditions special to your industry. Call on Dow to help you combat destructive, expensive mold attacks.



Dowicide

Germicides and fungicides

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

New York • Boston • Philadelphia • Washington • Cleveland • Detroit
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DOW
CHEMICALS
INDISPENSABLE TO INDUSTRY

OPD—1-21-1946 18

INSIDE NEWS

JANUARY PREPARED BY NATIONAL CAN CORPORATION, NEW YORK, N. Y. 1946

Versatility Makes Tin Cans Best All-Around Containers For Packaging Protection

Because it gives protection to any product, anywhere, under any conditions, the steel-and-tin container—usually referred to as the "tin can"—is recognized by many as the best all-around packaging container. Tin cans have proved their ability to protect food, chemicals, paints and many other products from the destructive elements of air, heat, cold, immersion in water, and rough handling.

Food in Cans Fresher

Canned foods today are more "fresh" than many so-called fresh foods. After fruits or vegetables are picked, a good part of their nourishing and taste qualities are lost between harvesting and eating time. Usually, the period is several days because of time spent picking, shipping to farmer's market, then transporting—perhaps to a distant city—for redistribution to food retailers. Furthermore, food may be on display in the retail store a day or two before a housewife buys it. And even then she may keep the food at home a day or more before serving. During all this time the food has been robbed of some of its vitamins and minerals. Still more nutrition-giving elements have been lost in preparation and cooking.

Canned foods, on the other hand, are usually prepared only a few hours after the crops are harvested, and their original goodness captured. Sealed against air, light, and other destructive elements, the food preserves its flavor. Canned foods are, nutritionally speaking, only a few hours old from picking time to table.

Besides, cans lend themselves easily to filling, cooking, sealing, lithographing or labeling, shipping and storing. They enable the housewife to have on hand "quickie" meals—ready to serve when unexpected guests drop in or when there isn't enough time for elaborate meal preparation.

Protect Chemicals and Drugs

Certain chemicals and drugs are readily affected by air and light, their value lessened or destroyed. And here is where the tin can comes into the picture again with sure protection from both kinds of damage. Cans also offer an added safeguard against breaking, chipping or shattering. They prevent leakage which is wasteful in the case of all drugs and chemicals and dangerous in the case of the poisonous or harmful ones.

Oil, Paint and Varnishes

Paint products also get their best protection from cans, the absence of breaking, chipping and shattering again proving of particular value. Furthermore, paint can be mixed right in the can, and the paint may be applied directly from the can.

Many Other Uses

During the war, cans were widely used in the packaging of ammunition, equipment and even items like blankets in shipment. They give a kind of protection that no other container can give.

If you have costly troubles with containers that break or tear, or if packaging is so slow as to create a bottleneck in production, it's time to call in a National Can technician. He will be glad to give you the benefit of his wide and extensive experience in making your good products stay good longer. Write or phone your nearest National Can Corporation office. There is one conveniently located near you. 1168

From Citrus Fruits

Inexpensive citrus concentrates retaining a high proportion of vitamin C can be made by treating a vacuum-concentrated juice with lime to precipitate undesirable acids and other unwanted constituents. The product, containing up to 75 percent soluble solids, mostly fruit sugars, can be used in preserves and soft drinks. It is described as without the orange juice character but with a pleasing, mellow sweetness of the natural sugars. 1169

Nuts that Stick

Peanut proteins can be treated to produce both the tacky and the remoistening types of glue. The peanut curd is "preneutralized" before drying, so that addition of water will produce glue solutions of the correct pH. For gummed tapes the peanut proteins have the advantages of uniformity of product, light color suitable for white paper, less tendency of the gummed paper to stick in the roll or stack and a very desirable sanitary condition.

When properly plasticized, nonwarp glues for applying paper to set up boxes are possible. These can be applied cold, are tacky as soon as applied and remain tacky long enough to complete the gluing operations.

Solvent-extracted soybean proteins will probably yield similar results. 1170

Steel-Blackening Processes

It is reported that steel-blackening processes fall into three main types: (1) Oxide coatings formed by heating in air, steam, oil, or molten nitrates, or by immersion in caustic alkali nitrate solutions; (2) phosphate coatings (staining or impregnating) using various mediums in a number of processes; (3) metallic deposits of nickel, molybdenum, and copper, black when applied or blackened after application. 1171

Penicillin Is Prize Food Preservative

It is announced that heat resistant spores which may escape destruction in standard processes for pasteurizing milk and non-pressure canning of fruits and vegetables may be eliminated by penicillin. 1172

Paprika

Spanish and Hungarian Paprika are now successfully cultivated in California. A new type of Hungarian paprika developed is said to be superior to the imported product. 400 acres are under production in the United States. It is estimated that 1,500 acres will supply domestic demand. 1173

Two New Rodenticides

Wartime research has resulted in the development of two important new materials for rodent control—ANTU and 1080. Of particular significance is the fact that they are manufactured from raw materials of American origin, unlike the other common rodenticides used before the war such as thallium, strychnine and squill which depend on materials of foreign origin. Neither of the two new rodenticides is as yet available commercially, and there seems to be a definite prospect that they will never be offered in the open market, but reserved rather for use under the direct supervision and control of government agencies because of their specific toxicity hazards. Product 1080 is said to be based on sodium fluoroacetate. The greatest field of usefulness for ANTU has been found to be in the control of the Norway rat, while 1080 has been found to be highly toxic to all species of rats as well as to all field rodents on which it has been tested. 1174

Laboratory Seal

Plagued by the recurrent problem of sealing a few experimental cans under vacuum or an atmosphere of inert gas, two research workers have devised an electrical gadget that can be set over the vent hole in the can top. At the appropriate time it heats the area around the vent, at the same time melting a pellet of solder and dropping it on the hole, to make a very satisfactory seal. Several cans can be done at one time. 1175

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Red—
- 75 Sudan II.....lb. 1.05 - —
- 258 Sudan IV.....lb. .85 - —
- 680 Oil violet.....lb. .50 - —
- 749 Rhodamine B (oil pink). lb. 2.50 - —
- 1080 Anthraquinone,[6] violet base..lb. 6.00 - —

Yellow—
- 15 Amidoazobenzene yellow..lb. .90 - —
- 17 Amidoazotoluene yellow, lb. .75 - —
- 61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
- 246 Naphthol blue black S.. lb. .50 - —
- 729 Victoria blue B.....lb. 1.35 - —
- 861 Indulin .....lb. .87 - —
- 873 Methylene gray.....lb. 1.50 - —
- 909 New blue F.....lb. 1.20 - —
- 922 Methylene blue.....lb. 1.00 - —
- 1054 Alizarin saphirol B...lb. 1.90 - —
- 1180 Indigotin IA.....lb. .85 - —

Blue—
- 714 Patent blue A.....lb. 1.05 - 1.10

Brown—
- 281 Bismarck brown G...lb. .47 - .62
- 284 Resorcin brown Y....lb. .65 - —
- 285 Resorcin dark brown R. lb. .66 - —
- 622 Bismarck brown R...lb. .47 - .62
- 793 Phosphin .....lb. 4.65 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Green—
- 5 Naphthol green B....lb. 1.00 - —
- 637 Malachite green.....lb. 1.35 - —
- 662 Brilliant green.....lb. 2.00 - —
- 666 Guinea green B.....lb. 1.15 - —
- 737 Wool green S.....lb. .58 - —
- 924 Methylene green B....lb. 1.55 - —
- 1078 Alizarin cyanin green.lb. 2.00 - —

Orange—
- 10 Chrysodin G.....lb. .44 - —
- 21 Chrysodin R.....lb. .41 - —
- 27 Orange G.....lb. .50 - —
- 31 Amidonaphthol red G.lb. .42 - —
- 37 Amidonaphthol red 6B, lb. .68 - —
- 151 Orange Y.....lb. .31 - .33
- 161 Orange R.....lb. .34 - —

Red—
- 79 Ponceau R.....lb. .48 - —
- 88 Fast red B.....lb. 1.65 - —
- 176 Fast red A[6].....lb. .54 - —
- 179 Azorubin .....lb. .60 - —
- 183 Crocein scarlet 3BX..lb. .72 - .75
- 185 Cochineal red A.....lb. .60 - —
- 252 Brilliant crocein M..lb. .68 - —
- 677 Fuchsin .....lb. 2.10 - —
- 749 Rhodamine B.....lb. 3.50 - —
- 752 Rhodamine 6B.....lb. 4.50 - —
- 788 Eosin G.....lb. 1.50 - —
- 841 Safranin .....lb. 1.45 - —

Violet—
- 680 Methyl violet B.....lb. .70 - .75
- 681 Crystal violet B.....lb. 1.75 - —
- 695 Acid violet 4BN.....lb. .88 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Yellow—
- 10 Naphthol yellow S...lb. .88 - —
- 138 Metanil yellow.....lb. .56 - .58
- 636 Fast light yellow....lb. 1.25 - —
- 639 Xylene light yellow..lb. 1.15 - —
- 640 Tartrazin .....lb. .80 - —
- 655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lbs. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
- 864 Nigrosin .....lb. .36 - .44

Blue—
- 860 Indulin .....lb. .60 - .70

Brown—
- 331 Bismarck brown.....lb. 1.50 - —

Green—
- 637 Malachite green base.lb. 2.00 - —

Orange—
- 20 Chrysoidin G.....lb. .95 - —
- 21 Chrysoidin R.....lb. .96 - —

Red—
- 677 Fuchsin, magenta, base. lb. 7.25 - —
- 749 Rhodamine R.....lb. 4.75 - —

Yellow—
- 67 Amidoazotoluene yellow. lb. .75 - —
- 655 Auramine .....lb. 2.00 - —
- 800 Chinolin yellow SS..lb. 2.00 - —

Violet—
- 680 Methyl violet base...lb. .85 - —

Dyes, natural (see name of article).

E

- Echinacea root, bls.....lb. .75 - .80
- Egg,[1,7] albumen (see Albumen).
- Yolk,[1,7] dried, dom., bbls....lb. 1.05 - 1.14
- imported .....lb. No stocks
- Elde, flowers, bright, bls.....lb. .75 — .85
- Elcampane root, bls.....lb. .55 - .60
- Elm bark, grinding, bls.....lb. .35 - .36
- powd., bbls., bxs.....lb. .55 - .56
- select, bndls.....lb. .55 - .56
- Emetine hydrochloride, bots...oz. 44.50 -45.00
- Ephedra, bls.....lb. .28 - .30
- Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
- Hydrochloride, tins.....oz. .95 - 1.45
- Sulphate, tins.....oz. .95 - 1.45
- Synthetic, USP, anhydrous, bots..100 ozs. .65 - —
- hydrous, bots, 100 oz...oz. .65 - —
- Ephedrine hydrochloride, tin, 100 ozs..oz. .50 - —
- Sulphate, cryst., tins, 100 ozs, oz. .48 - —
- Epinephrine, synth., USP, bots. gram. .75 - —
- Epsom salt, tech., cryst., bgs., c.l..100 lbs. 1.80 - 1.95
- l.c.l. .....100 lbs. 2.15 - 2.40
- dried, bgs.....lb. .03½ - —
- l.c.l., bgs.....lb. .04 - .07
- USP, cryst., bgs., c.l..100 lbs. 2.00 - —
- l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
- smaller lots....100 lbs. 2.50 - —
- bbls., c.l.....100 lbs. 2.10 - —
- l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
- smaller lots.....100 lbs. 2.60 - —

NATIONAL CAN

PLANTS: NEW YORK • BOSTON • BALTIMORE • CHICAGO • HAMILTON, OHIO • FORT WAYNE, INDIANA

Subtilin

Subtilin, an antibiotic working on a principle similar to that of penicillin, has been found to be deadly to Mycobacterium, the organism which causes tuberculosis. Experiments in test tubes show that subtilin is scarcely toxic to living tissue in spite of its deadly effect on the tubercle bacillus.

The bacteria from which this drug is extracted is found in air throughout the world. It has been proven effective against other bacteria, including streptococcus, staphylococcus, pneumococcus, and gonococcus, in test tube experiments. 1176

Surface Activity

Anionic surface active agents — that is, antiseptic detergents that are used in neutral or slightly acid solutions—may be effective for washing equipment, floors, and walls. While they do not show an immediate germicidal activity, certain antibiotics are effective over longer periods of time. Not being poisonous, they are safe for food plant applications. 1177

Cull Peas Put to Good Use

The time will come when housewives will only purchase high quality canned peas. Processors should be alert to profitable uses for their low grade or cull products.

Results of several experiments show that ground cull peas make an excellent protein supplement for fattening hogs, if properly balanced with a small amount of meat meal. Hogs under these tests made an average daily gain of 1.40 pounds, while hogs in the check tests showed only 1.10 pounds daily gain and were unthrifty, thin and lost considerable hair. These studies corroborate previous research on feeding peas to white rats. Peas have been found to be an excellent protein source. 1178

Coffee Remade

Not only are we to have coffee "soluble", but a patent now promises us soluble coffee powder reformed into the shape of coffee beans and lightly glazed to look like real coffee beans. It is reported to be nonporous, nonstaling and nonhygroscopic. 1179

Still Need Tin

Germany started in 1937 a program to catch up with the canning industry in the U. S. and Britain. However, with all the intensive search for substitutes, our scientists investigating industrial advances in Germany report that the German planners did not believe they had any prospect of solving the problem of doing without tin. 1180

Technical Topics

GRAMICIDIN IMPROVED — It is announced that the addition of formaldehyde to gramacidin renders it less harmful to animal tissues and red blood corpuscles. 1181

TUBERCLE DISINFECTANTS — A patent has been issued for disinfectants designed principally for combatting tubercle bacilli. The disinfectants comprise hydroxyalkyl and hydroxyalkylene substitution products of benzene with a nuclear alkyl or alkylene group. They also comprise a quaternary ammonium compound containing a higher aliphatic hydrocarbon radical (C_8 or more), which increase their water solubility. 1182

PROTECTIVE COATING FOR COAL PILES — Bituminous coal stored in piles is protected against wetting, wind losses, disintegration, and spontaneous combustion by spraying thinly with a moistureproof and airproof coat or film of asphalt, tar, or wax. The coating is applied in the form of an emulsion at the rate of 1 gallon for 2 square yards to 3 square yards of surface. 1183

NEW FUNGICIDES — A patent has recently been issued for a fungicide for a variety of uses. The fungicide is formed with dimorpholinthiuram bisulphide as its active ingredient (0.25 percent) in water, with lime and bentonite as an adherent carrier. Another patent has been issued for a similar solution of phthalic diphenylguanidin of the same strength. 1184

OIL AND SOFT DRINK COLORINGS — Rottlerin, extracted from kamala with benzene or ethyl alcohol, is announced as the new basis of yellow colorings for oils and for soft drinks. For coloring oils, the Ac_2 derivative is used; soft drinks are colored with the Na_5 or Na_3 derivatives. 1185

PREVENTS MOLD IN ADRENALIN SOLUTIONS — Use of potassium metabisulphite (0.1 percent), instead of chlorobutanol, is suggested for the prevention of mold in solutions of adrenalin. Tartaric acid is suggested instead of hydrochloric acid to give the desired pH. 1186

WAX-FREE LUBRICANT — A new nonpetroleum lubricant for automobile, aircraft and other internal combustion engines has been developed and tested. It is claimed to have unusual advantages over mineral oil, particularly in cold weather. 1187

SULFAPYRIDINE AS A HEMOSTATIC AGENT — Local application of sulfapyridine powder to wounds after removal of lesions by electrodesiccation, cutting current or cautery is especially useful in producing hemostasis. This method is claimed superior to gentian violet solution. 1188

NATURAL GAS FOR CALCIUM CARBIDE — A patent has recently been issued for a new method for making calcium carbide, in which crushed limestone is combined with natural gas instead of with crushed coke as is the present practice. 1189

WATER IN DRY FOODS—A new method for rapid determination of the moisture content of dried foods has been developed. The method is based on titration of a methanol suspension or solution with a complex reagent containing iodine and SO_2 dissolved in pyridine and methanol. 1190

TUNG AND LINSEED OIL SUBSTITUTE — Garampa, a vegetable oil described as of "possible commercial interest" is receiving new industrial attention. Considered an excellent substitute for tung and linseed oil, it is reported that 15 million kilos a year can be produced. 1191

NEW FUNGISTATIC — A fungistatic which shows marked promise in control of fusarium wilt, a destructive disease of tomatoes, has been obtained from a preparation made from the expressed juice of the Pan American Tomato. This antibiotic has been designated lycopeisicin. 1192

CLEAN COATINGS—One suggestion for use of the bactericidal property of colloidal silver is to adsorb the atomic silver on or in colloidal carbon particles and incorporate colloid so produced with suitable binders to form coatings. 1193

Every effort will be made to furnish additional information on these articles. Where such information is not obtainable, we will refer inquiries to the original source of the article. Write to National Can Corporation, 110 East 42nd Street, New York 17, N. Y. Please mention the number at end of article — also name of the magazine you saw it in.

NATIONAL CAN CORPORATION
Manufacturers of
SANITARY PACKERS CANS • PLAIN AND LITHOGRAPHED CANS FOR FOODS, DRUGS, OILS, PAINTS, VARNISHES • STEEL DRUMS AND PAILS
Deliveries Subject to Priority Ratings

Epsom salt, USP, kgs., c.l., 100 lbs.	2.35	—
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs.	2.60	—
smaller lots.....100 lbs.	2.85	—
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.		
Ergot, USP, cns.....cs.	1.60	1.65
Eserine, bots.....oz.	No prices	
Sulphate, 1-gram. vials....vial.	2.10	—
Ether, acetic (see Ethyl acetate).		
Amyl (see Amyl ether).		
Butyl, l.c.l., dms., dlvd.....lb.	.30	—
Ethyl (see Ether, sulphuric).		
Nitrous, conc., bots., 100 lbs.lb.	.08	1.10
Sulphuric, conc., dms.....lb.	.11	.16
USP anesthesia, hospitals, 1-lb. cns..lb.	.60	.61
Synthetic, dms., c.l., wks...lb.	.14½	—
l.c.l., works.....lb.	.15½	—
tanks .....lb.	.12½	—
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb.	.1050	.1200
l.c.l., frt. alld.....lb.	.1100	.1250
tanks, frt. alld.....lb.	.0950	.1100
95-98%, dms., c.l., frt. alld.lb.	.1075	.1275
l.c.l., frt. alld.....lb.	.1125	.1225
tanks, frt. alld.....lb.	.0975	.1175
NF, dms.....lb.	.14½	.15½
Acetoacetate, dms., c.l., works. lb.	.37½	—
l.c.l., frt. alld.....lb.	.38	—
Benzoate, bots.....lb.	.65	.70
Bromide, tech., dms.....lb.	.50	.55
Carbamate, dms., dlvd. E...lb.	.58	—
Chloride, tech. ,dms.....lb.	.18	.20
USP, bbls., cyl.....lb.	.20	.22
Ethyl cinnamate, cns.....lb.	3.50	3.60
Formate, dms., Agnue, Calif., lb.	.26	.32
Iodide, bots.....lb.	3.50	3.60
Lactate, dms., works.....lb.	.33½	.39½
Myristate, dms., works.....lb.	.55	—
Oenanthate, dms.....lb.	1.10	1.15
Oleate, dms., l.c.l., works...lb.	.47	—
Oxalate, dms., frt. alld.....lb.	.33	—
Silicate, dms., l.c.l., works..lb.	.77	—
Ethylcellulose, pkgs., 5,000 lbs. or more, works..lb.	.50	—
smaller lots, works.....lb.	.52	.60
Ethyldiethanolamine, dms., l.c.l., works..lb.	.80	—
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb.	.0842	—
West of Rockies..lb.	.0891	—
l.c.l., works, frt. alld. E. of Rockies..lb.	.0891	—
West of Rockies..lb.	.0941	—
tanks, frt. alld. E. of Rockies, lb.	.0743	—
West of Rockies..lb.	.0792	—
Trichloride (see Trichloroethane).		
Ethyleneglycol, dms., c.l., frt. alld. in E..lb.	.10	—
l.c.l., same basis.....lb.	.11	—
tanks, same basis.....lb.	.09	—
Monobutylether, dms., c.l., wks. lb.	.17½	—
l.c.l., works.....lb.	.18½	—
tanks, works.....lb.	.16½	—
Monoethylether, dms., c.l., wks. lb.	.15½	—
l.c.l., works.....lb.	.16½	—
tanks, works.....lb.	.14½	—
Ethyleneglycol, monoethylether acetate, dms., c.l., works, lb.	.13½	—
l.c.l., works.....lb.	.14½	—
tanks, works.....lb.	.12½	—
Monoethylether, dms., c.l., wks. lb.	.16½	—
l.c.l., works.....lb.	.17½	—
tanks, works.....lb.	.15½	—
Ethylethanolamine, d m s., c.l., works..lb.	.57	—
l.c.l., works.....lb.	.60	—
Ethylmonoethanolamine, l.c.l., dms., works..lb.	.80	—
Ethylemorphine hydrochloride, bots..oz.	10.50	10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb.	5.25	—
smaller lots.....lb.	5.30	5.40
Eucalyptol, cns., dms.....lb.	2.50	2.55
Eucalyptus leaves, bls.....lb.	.10	.18
Eugenol, cns., dms.....lb.	2.65	3.25
Euphorbia, bls.....lb.	.16	.17

F

Feldspar,[1] enamel, 100 mesh, ton.	17.00	20.50
bulk, c.l.....ton.	14.00	17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton.	12.75	16.25
bulk, c.l.....ton.	9.75	12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton.	20.00	22.00
bulk, c.l., works.....ton.	17.00	19.00
Fennel seed, Argentine, bgs...lb.	.28	.29
Indian, bgs.....lb.	.16½ Nom.	
Fenugreek, domestic, bgs.....lb.	No stocks	
Indian, bgs.....lb.	No stocks	
Morocco, bgs.....lb.	.10½	.11
Ferric sulphate, anhyd., bgs., c.l., works..ton.	35.00	—
l.c.l., works.....ton.	40.00	—
Film scrap, colored, cs., works.lb.	.13½	.15
water-white, cs., works.....lb.	.14½	.17
Fir balsam, Canada, cns....gal.	18.50	20.00
Oregon, bbls.....gal.	2.50	2.60
Fishberries, bgs.....lb.	.24	.25
Fishliver oils (see Oil, fishliver).		
Fishmeal,[1,7] grd., 60% protein, bgs., E. works..ton.	72.50	—
65% protein, bgs., E. works, ton.	78.50	—
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton.	66.50	—
Flake, white, bbls.....lb.	.09	—
kegs .....lb.	.11	—
Fleaseed, dom., French-type, bgs. lb.	.62	.64
French, black, bgs.....lb.	No stocks	
Indian, blonde, bgs.....lb.	.18½	.22
Fluorspar,[1] No. 1, ground, 95-98% CaF_2 bulk, c.l., mines, net ton.	37.00	—
washed, gravel, 75% or more CaF_2 c.l., bulk, mines..ton.	33.00	—
65%, c.l., bulk, mines....ton.	32.00	—
60%, c.l., bulk, mines....ton.	31.00	—
less than 60%, c.l., bulk, mines..ton.	30.00	—
Formaldehyde,[1] bbls., c.l., works, lb.	.0620	—
l.c.l., works.....lb.	.0670	—
dms., extra, c.l., works.....lb.	.0650	—
l.c.l., works.....lb.	.0510	—
tanks, works.....lb.	.0320	—
tanktrucks, dlvd. N.Y.C....lb.	.0945	—
Fringetree bark, bls.....lb.	.55	.60

Fuller's earth,[1] dom., powd., bgs., c.l., Fla., Ga. mines.. ton. 8.50 -15.00
Tex. mines.....ton.12.50 - —
spent, bulk, Bayonne...ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp., bgs., c.l.....ton.30.00 -40.00
Furfural, ref., dms., c.l., works, lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .25½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works.gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19½
Fustic extract, cryst., No. 1, bbls., l.cl...lb. .35 - —
No. 1A, bbls., l.cl.....lb. .34 - —
No. 2, bbls., l.c.l.....lb. .33 - —
No. 3, bbls., l.c.l.....lb. .31 - —
liquid, No. 0, bbls., l.c.l....lb. .19 - —
No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .14 - —
solid, No. 1, bxs., l.c.l.....lb. .20¾- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .24 - .25
Gambier, cube, Singapore, cs..lb. No stocks
Extract, bbls.....lb. No stocks
Gammapicoline, 95%, dms., c.l., works..lb. 1.35 - —
Gasoline,[1] at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .057 - .06
Bayonne, 73-75 oct., tank.gal. .08 - —
Gulf Coast, 73-75 oct., tanks, gal. .06 - —
Gasoline, at refinery, ex tax, Group 3, 75 oct., tanks....gal. .057 - .06
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks..gal. .0655- .0775
natural, 26/70, Group 3, tanks, gal. .04½- .04¾
Gelatin, silver label, ctns., divd., lb. .90 - .97
export, cs.....lb. 1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.
Gelsemium root, bls.....lb. No stocks
Gentian root, bls.....lb. .36 - .38
grd., bbls., bxs.....lb. .38 - .40
powd., bbls., bxs.....lb. .39 - .41
Geraniol, 92-96%, cns., dms....lb. No prices
Geranyl acetate, cns.....lb. 3.50 - 3.60
Ginger,[1] African, No. 1, bls...lb. .15 - .15½
Calicut, Romeo-type, bgs....lb. .16½- .17
Cochin, bleached, bgs.....lb. .17¼- .17½
unbleached, bgs.....lb. .17 - .17½
Jamaica, No. 1, bgs.....lb. .23 - .23½
No. 2, bgs.....lb. .21½- .22
No. 3, bgs.....lb. .17½- .18
Rhattoon, bgs.....lb. .17 - .17½
Glaubers salt, anhyd. (see Soda sulphate), cryst., bgs., bbls., works.... 100 lbs. 1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest. lb. .16 - —
30/38, bgs., c.l., same basis..lb. .15½- —
58/82, bgs., c.l., same basis. lb. .17 - —
82/108, bgs., c.l., same basis. lb. .18½- —
Bone glue, l.c.l. prices 1c. higher than c.l.
Glue, hide,[1] 100-121 (jelly test in grams), bgs., c.l., divd....lb. .14 - .21½
122-149, bgs., c.l., divd.....lb. .15 - .22½
150-177, bgs., c.l., divd.....lb. .16 - .23½
178-206, bgs., c.l., divd.....lb. .17 - .24½
207-236, bgs., c.l., divd....lb. .18 - .25½
237-266, bgs., c.l., divd....lb. .19 - .26½
267-298, bgs., c.l., divd....lb. .20 - .27½
299-330, bgs., c.l., divd....lb. .21 - .28½
331-362, bgs., c.l., divd....lb. .22 - .29½
363-394, bgs., c.l., divd....lb. .23 - .30½
395-427, bgs., c.l., divd....lb. .24 - .31½
428-460, bgs., c.l., divd....lb. .25 - .32½
461-494, bgs., c.l., divd....lb. .26 - .33½
495-529, bgs., c.l., divd....lb. .27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. over bgs.
Glycerin, crude, saponification, 88%, to refiners, tanks...lb. .12¾- —
soaplye, 80%, tanks.....lb. .11½- —
dynamite, dms., c.l.....lb. .17½- .18¼
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¼- .18
high gravity, dms., c.l.....lb. .17½- .18¼
l.c.l. .....lb. .18 - .18¾
tanks .....lb. .17¼- .18
refined, B.P. 98%, dms., c.l..lb. .18¾- —
l.c.l. .....lb. .19¼- —
tanks .....lb. .18½- —
USP, 95%, dms., c.l.....lb. .18¼- —
l.c.l. .....lb. .18¾- —
tanks .....lb. .18 - —
yellow, distilled, dms., c.l..lb. .17¾- —
l.c.l. .....lb. .18½- —
tanks .....lb. .17¾- —
Glycine, USP, bbls., tins.....lb. 1.25 - 1.30
Glycol boriborate, dms.....lb. .22 - —
Stearate, dms.....lb. .26 - —
Gold chloride, acid-brown, bots. oz.20.75 -21.00
acid-yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots.. oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Goldenseal root, bls.....lb. 8.50 - 8.75
powd., bxs.....lb. 9.00 - 9.25
Gold of pleasure seed, bgs...lb. No stocks
Grains of paradise, bgs.....lb .30 - .37
Graphite,[1] dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse..lb. .04½- —
70-75%, bgs., same basis. lb. .05 - —
75-80%, bgs., same basis, lb. .05½- —
80-85%, bgs., same basis. lb. .06 - —
85-90%, bgs., same basis. lb. .07 - —
90% and up, same basis. lb. .08 - —
Grease, house,[1,7] loose.....lb. .08¼- —
White, choice, loose.....lb. .08¾- —
Wool (see Adeps lanae and Degras).
Green, brilliant,[1] thioflavin toner, molybdic, kgs., works..lb. 3.25 - —
tungstic, kgs., works.....lb. 3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
15% bbls., same basis...lb. .25 - —
20%, bbls., same basis...lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, bbls., same basis..lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-23%, bbls., same basis.lb. .09 - —
24-26%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10½- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .12 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
70%, bbls., same basis...lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —
Chrome green prices are ½c. higher dlvd.
Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.
Green, chrome oxide, pure, dms., wks..lb. .24 - —
Malachite, thioflavin toner, molybdic, bbls., works..lb. 3.00 - —
tungstic, bbls., works....lb. 3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide, bbls., works....lb. .85 - —
toner, bbls., works.....lb. 4.00 - 5.00
Paris (see P).
Tungstated, brilliant, kgs...lb. 3.00 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes (see Dyes, coaltar).
Grindelia robusta, bls.....lb. .21 - .22
Guaiac, resin, cs.....lb. .26 - .32
Wood, bls.....lb. .05 - .06
Guaiacol, liquid, fib. dms.....lb. 1.75 - 2.61
Carbonate, dms.....lb. 2.40 - 2.74
Guanidin carbonate,[1] bbls., c.l., works..lb. .57 - —
l.c.l., works.....lb. .58 - .75½
Guarana, powd., cs.....lb. 2.00 - 2.10
Gum accroides (see Gum, yacca).
Aloe (see A).
Ammoniac, tears, cs.....lb. .90 - .95
Arabic, amber, sorts, bgs...lb. .12½- .16
white, sorts, 1, bgs.....lb. .28 - .30
Asafetida (see A).
Asphaltum (see A).
Benzoin, artificial cns.....lb. 1.75 - 2.35
Siam, cns.....lb. 3.00 - 6.50
Sumatra, cs.....lb. .52 - 1.00
Camphor (see C).
Copal, Congo,[1] sorted, No. 30, bgs., c.l., ex dock or port, whse..lb. .55¾- —
31, bgs., c.l., same basis, lb. .21½- —
32, bgs., c.l., same basis, lb. .16¾- —
33, bgs., c.l., same basis, lb. .14¾- —
34, bgs., c.l., same basis, lb. .09¾- —
35, bgs., c.l., same basis, lb. .15¾- —
36, bgs., c.l., same basis. lb. .12¾- —
37, bgs., c.l., same basis, lb. .18¾- —
38, bgs., c.l., same basis, lb. .12¾- —
39, bgs., c.l., same basis. lb. .10¾- —
40, bgs., c.l., same basis, lb. .08½- —
41, bgs., c.l., same basis, lb. .11¾- —
unsorted, No. 1, bgs., same basis..lb. .15½- —
2 bgs., c.l., same basis.lb. .13¾- —
3, bgs., c.l., same basis.lb. .12¾- —
FAD, bgs., c.l., same basis, lb. .15¾- —
East India,[1] Batu, bold, scraped, c.l., same basis.lb. .10½- —
unscraped, same basis.lb. .09 - —
chips, same basis...lb. .12 - —
dust, same basis...lb. .06½- —
nubs and chips, same basis..lb. .05¾- —
Momboyo, No. 1, bgs., c.l., ex dock or port, whse..lb. .13¼- —
nubs and chips, same basis, lb. .07¼- —
black, bold, scraped, bgs., lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips, same basis..lb. .07¼- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis..lb. .17¾- —
chips, same basis....lb. .11½- —
dust, same basis...lb. .06½- —
nubs, same basis...lb. .13¾- —
Singapore, Rasak, bold, bgs., same basis..lb. .23¾- —
chips, same basis...lb. .11¾- —
dust, same basis...lb. .06¼- —
nubs, same basis...lb. .14¾- —

but you can control the end product!

The mighty forces of nature manifest themselves in violent extremes—from freezing temperatures to humid heat...unpredictable forces that vitally affect everything that grows.

Neither the forces of nature nor their effect on the quality of crude oils can be controlled, but through Filtrol* Adsorbents you can control the quality in your refining process.

When crops are frosted or vary in quality and crude oils become off-color, use Filtrol Adsorbents to counterbalance the effects of nature and balance your runs to uniform top quality.

Special Filtrol is a scientifically controlled and chemically prepared adsorbent. It is "tailor-made" to fit a wide range of oils—press cake losses are cut to the bone—you get more oil per press run—and top quality production is maintained with minimum labor and equipment.

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Specify Special Filtrol to insure the cleanliness and purity so necessary to modern streamlined bleaching methods, and to insure uniform control of quality in the end product.

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SPECIAL Filtrol

PRODUCTS OF RESEARCH AND DEVELOPMENT

Gum, copal, Macassar,[1] dust, bgs., c.l., same basis..lb. .07⅞- —
MA, same basis.....lb. .09⅝- —
MB, same basis.....lb. .09¼- —
WS, bgs., same basis....lb. .11⅝- —
Manila, Boeas,[1] hard, bold, amber, light, bskts., c.l., same basis..lb. .13½- —
dark, light, same basis..lb. .14½- —
white, same basis.....lb. .15½- —
Loba,[1] A, bgs., c.l., same basis..lb. .14 - —
B, same basis.....lb. .13⅝- —
C, same basis.....lb. .13⅜- —
CBB, same basis.....lb. .12 - —
CNE, same basis.....lb. .10 - —
D, same basis.....lb. .12⅝- —
DBB, same basis.....lb. .11 - —
DK, same basis.....lb. .09½- —
DU, same basis.....lb. .08⅝- —
dust, same basis.....lb. .07⅜- —
WB, same basis.....lb. .09¼- —
WS, same basis.....lb. .11⅝- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis..lb. .15½- —
dust, same basis.....lb. .07⅜- —
whse., entry point, c.l...lb. .08⅜- —
Philippine,[1] Manila, extra bold and bold, pale, scraped, bskts., same basis..lb. .15 - —
extra bold, sorts, bgs., c.l., same basis..lb. .12⅝- —
pale chips, bold, same basis. lb. .13 - —
nubs, WCB, same basis..lb. .13⅜- —
seeds, dust same basis....lb. .08⅝- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11⅝- —
c.l., same basis..lb. .23⅝- —
Pontianak, bld., scraped, bgs., mixed, same basis..lb. .17⅜- —
chips, small, same basis..lb. .12⅝- —
cuttings of split, same basis. lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavia, A, cns., c.l., same basis..lb. .35⅝- —
A/C, same basis.....lb. .31⅛- —
A/D, same basis.....lb. .28⅝- —
A/E, same basis.....lb. .25⅝- —
B, same basis.....lb. .34⅝- —
C, same basis.....lb. .25⅝- —
D, same basis.....lb. .25⅝- —
E, same basis.....lb. .18⅛- —
F, same basis.....lb. .13⅛- —
dust, same basis.....lb. .13⅜- —
Singapore,[1] No. 1, c.s., c.l.lb. .30⅝- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12⅝- —
chips, cs., same basis....lb. .23½- —
dust, bgs., same basis...lb. .13 - —
seeds, cs., same basis....lb. .17⅛- —
Gum, dammar, l.c.l., prices ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09½- .09¾
Ester,[1] gum-rosin, type, dms., c.l., dlvd., Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., dlvd., Ill., etc.....lb. .1325- —
other points, same basis, lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., dlvd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipes, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .18 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20⅝- —
dust, pale, same basis...lb. .20⅝- —
extra, same basis.....lb. .25½- —
No. 1, same basis.....lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
Superior, No. 1, same basis.. lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65⅜- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.50 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .50 - .60
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99½
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.80 - 3.90
No. 2, cs.....lb. 2.75 - 3.80
No. 3, cs.....lb. 2.15 - 2.60
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.30.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —

Gypsum, stucco, paper bgs., c.l., Acme, Texas; Akron, N.Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich., Gypsum, Ohio; Harlem River, N.Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Rotoa, Tex.; Southard ,Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla., works, ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 6, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .32 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 25% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.35 - 1.50
Henna leaves, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .21 - .22
Heptane,[1] industrial grade, 50°-100° C., dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .20 - .55
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .36 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -25.00
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago.... unit-ton. 5.00 - 5.50
Hops, NF, bls.....lb. .56 - 1.60
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots....oz.20.00 -35.00
Hydrochloride, bots.....oz.20.00 -32.00
Sulphate, bots.....oz.20.00 -32.00
Hydrastinine, 10-gr. bots....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03⅝- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .18⅛
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 5.75 - 5.80
dms., extra, ret'able, dlvd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.30.00 -45.00
Hyoscyamine, bots.....oz.16.00 -20.00
Hydrobromide, bots.....oz.16.00 -20.00
Sulphate, bots.....oz.16.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .24 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. 1.25 - 1.30

I

Iceland moss, bgs.....lb. .50 - .52
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.19.50 -22.00
Insect flowers (see Pyrethrum).

Dependable Chemicals by HEYDEN

FINE HEYDEN CHEMICALS

Glycerophosphates

Heyden's salts of Ortho-Glycerophosphoric Acids, in official and non-official compounds, are widely recognized for their purity and uniformity. Manufacturers of pharmaceuticals, drugs and chemical products are invited to consult Heyden for their requirements in Glycerophosphates and other Heyden Quality products.

CALCIUM GLYCEROPHOSPHATE, N. F.
Powder

IRON GLYCEROPHOSPHATE, N. F.
Powder

MANGANESE GLYCEROPHOSPHATE, N. F.
Powder

MAGNESIUM GLYCEROPHOSPHATE
Powder

POTASSIUM GLYCEROPHOSPHATE
75% Solution

SODIUM GLYCEROPHOSPHATE, N. F.
Crystals and Powder

SODIUM GLYCEROPHOSPHATE
50% and 75% Solutions

GLYCEROPHOSPHORIC ACID

FINE HEYDEN CHEMICALS

HEYDEN Chemical Corporation
393 SEVENTH AVENUE, NEW YORK 1, N. Y.
Chicago Sales Office: 180 N. Wacker Drive, Chicago 6, Ill.

Iodine, crude, 25-lb. jars.....lb. 1.97 - —
150-lb. kgs.....lb. 1.28¾- —
resubl., 5-lb. bots., jars.....lb. 1.70 - 1.85
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or 5lb. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 6.00 - 9.50
Methyl, bot.....lb. 6.25 -12.00
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .35 - .40
powd., 60-80 mesh, bbls..lb. .40 - .50
Iron acetate, liquor, bbls., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .18 - —
Chloride (ferric), anhydr., tech., dms., c.l., works..100 lbs. 4.90 - 5.25
l.c.l., works.....100 lbs. 6.50 - 6.85
cryst., tech., bbls., works, frt. alld..100 lbs. 4.00 - 6.00
USP X, lump, bbls.....lb. .07 - .08½
solut., 42 Be, cbys., works, frt. alld. or equald...lb. .06½- .06
djns., same basis.....lb. .10 - —
Citrate, USP VIII, gran., dms., lb. .70 - .75
powd., cns.....lb. .94 - .97
Glycerophosphate, bbls.....lb. 2.30 - 2.40
cns., 25 lbs.....lb. 2.62 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.32
Naphthenate, 6% Fe, 50-gal. dms..lb. .15 - —
Nitrate, red., tech., dms....lb. .08½- .04
Oxalate, gran., dms.....lb. .83 - .85
powd., cns.....lb. .52 - —
kgs.....lb. .47 - .49
Phosphate, soluble, NF, gran., cns..lb. .54 - .57
Pyrophosphate, gran., cns...lb. .59 - .63
Reduced, 50%, kgs.....lb. .65 - .75

Iron resinate, 7.4% Fe, 100-lb. dms..lb. .17½- —
Sulphate, tech. (see Copperas, and Ferric sulphate).
USP, cryst., bbls., dms....lb. .05½- .11
Tallate, 4% Fe, 50-gal. dms..lb. .10¾- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb. .33 - .38
scale, dms.....lb. .49 - .52
Oxalate, bbls.....lb. .2[illegible]½- —
dms., kgs.....lb. .26½- .26¾
Iron-soda oxalate, bbls., dms..lb. .23½- .26½
Isobornyl acetate, cns., works.lb. .85 - .95
Propionate, dms., works....lb. No prices
Isoeugenol, cns., works.....lb. 3.75 - 4.25
Isopentane, dms., works.....lb. .45 - .55
Isophorone, dms., c.l., works..lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l. E. of Rockies, same basis..lb. .11½- .12
tanks, E. of Rockies, same basis..lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Ether, dms., c.l., divd.....lb. .06 - —
l.c.l. .....lb. .06½- —
tanks, divd.....lb. .04½- —
Isopropylamine, dms., works..lb. .35 - —

J

Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .32 - .33
powd., bbls., bxs.....lb. .38 - .50
Resin, lump, cns.....lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, dom., bgs....lb. .45 - .60
Juniper tar, USP, dms.....lb. .95 - 1.00

K

Kalama, cns.....lb. .45 - .60
Kaolin (see China clay).
Kava kava root, bls.....lb. .25 - .26
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal. .04½- —
Bayonne, 41-43 w.w., tanks..gal. .061 - —
California, 40-43 w.w., tanks, gal. .07 - —
Gulf ports, 41-43 w.w., tanks, gal. .04625- —
Okla.-Tex., 41-43 w.w., tanks, gal. .04¾- —
Penn., 45 w.w., tanks....gal. .06425- .0665
47 w.w., tanks.....gal. .0655- —
Kola nuts, bgs.....lb. .09 - .10
Kyanite,[1] imp., low iron content, 10-mesh, whse..ton.85.00 -95.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Ladyslipper root, bls.....lb. 1.35 - 1.40
Lanolin (see *Adeps lanae*).
Lard,[1,7] pure, ref. tres.....lb. .1522½- —
prime steam, tres.....lb. .1448- —
Larkspur seed, bgs.....lb. 1.10 - 1.15
Laurel berries, bls.....lb. .25 - .26
Leaves, Cyprus, bls.....lb. .23½- .28¾
Greek, bls.....lb. No stocks
Portuguese, bls.....lb. .14½- .15
Turkish, bls.....lb. .17 - .17½
Lavender flowers, medium, bls.lb. .75 - .80
ordinary, bls.....lb. .46 - .60
select, bls.....lb. .90 - .95
Lead, acetate,[1] white, broken, bbls..lb. .12¼- —
cryst., bbls.....lb. .12½- —
gran., powd., bbls.....lb. .13¼- —

Lead arsenate,[1,6] basic, powder, 8-lb. bgs. or larger, c.l.. lb. .11½- .12
l.c.l. .....lb. .12 - .12½
1-lb. ctns. c.l.....lb. .13½- .23½
l.c.l. .....lb. .19 - .23
standard paste, cns. c.l..lb. .06¾- .08
l.c.l. .....lb. .08 - .08¾
powder, 3-lb. bgs., or larger, c.l..lb. .11 - .11½
1-lb. bgs., c.l.....lb. .16 - .20
l.c.l. .....lb. .16½- .20½
1-lb. ctns., c.l.....lb. .18 - .23
l.c.l. .....lb. .18½- .23½
¼-lb. ctns., c.l.....lb. .21 - .25
¼-lb. ctns., l.c.l.....lb. .21½- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd. E..lb. .07½- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07¾- —
l.c.l., divd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms.....lb. .40 - —
Iodide, NF V. bots.....lb. 2.60 - —
jars .....lb. 2.60 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metal,[1,5] (see Protective Coatings Materials market).
Metallic paste, dms., works..lb. No stocks
Naphthenate, 24%-30% Pb..lb. .14½- .17½
Nitrate, bbls.....lb. .12½- —
Oleate, bbls.....lb. .17¾- —
Peroxide, powd., tech., bbls.lb. .33 - .38
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
other points.....lb. .09 - —
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .10¾- —
Colo., Mont., N. Mex., Wyo..lb. .10 - —
other points.....lb. .09½- —
smaller lots, Ala., etc.lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
in oil, kgs.....lb. .14 - —
97%, Pb_3O_4, bbls., c.l., divd. Ala., etc..lb. .09½- —
other points.....lb. .09¾- —
l.c.l., 5 tons, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10½- —
other points.....lb. .09¾- —
smaller lots, divd. Ala., lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10½- —
93%, Pb_3O_4, bbls., c.l. (20 tons), divd., Ala., etc. lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, divd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, divd. Ala., etc..lb. .10½- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
Resinate, precip., 23.8% Pb., dms..lb. .17½- —
Silicate, bgs.....lb. .0730- .0780
Soyate, 26.15% Pb., dms.....lb. .22¼- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).
Tallate, 10% Pb. dms.....lb. .06½- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse..lb. .11½- —
smaller lots, E. frt. alld. lb. .11¼- —
Pac. Cst., ex whse..lb. .11¾- —
White, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .06½- —
divd. other points...lb. .06¾- —
l.c.l., divd. Ariz., etc...lb. .06¾- —
other points.....lb. .06½- —
basic sulphate, dry, bbls., c.l., divd. Ariz., etc..lb. .07½- —
other points.....lb. .07¾- —
l.c.l., divd. Ariz., etc.lb. .08 - —
other points.....lb. .07½- —
in oil, consumers, kgs.....lb. .18¼- .18¾
painters, kgs.....lb. .12¼- .12¾
Lecithin, edible, dms., c.l.....lb. .25¼- —
l.c.l. .....lb. .28½- .45
in cocoa butter, dms., c.l..lb. .39½- —
l.c.l. .....lb. .40¾- .50
tech., dms., c.l.....lb. .25¼- —
l.c.l. .....lb. .26½- .45
vegetable, pure, bots, 100 lbs. lb. 2.75 - —
Lemon peel, bls.....lb. .30 - .35
Licorice extract, mass, cns....lb. .25 - .72
powd., bbls. .....lb. .60 - .68
Root, Indian, bls.....lb. .12 - .14
powder, bbls. .....lb. .18 - .20
Russian, bls. .....lb. .12 - .16
Spanish, bls. .....lb. .12 - .15
Turkish, bls. .....lb. .12 - .16
Lignin extract, tanning grade, bgs., c.l., works..lb. .04 - —
Lime, chemical (quicklime) lump, pebble, Adams, Mass..ton. 8.00 - —
Annville, Pa.....ton. 7.50 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkeley, W. Va.....ton. 7.50 - —
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Menominee, Mich.....ton.
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.65 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. Dak...ton.12.00 - —
Ripplemead, Va.....ton. 9.15 - —
Rockland, Maine.....ton. 9.00 - —
Sciote, Ohio.....ton. 8.00 - —
Sherwood, Tenn.....ton.10.65 - —
Sherwood, Wisc.....ton.10.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 9.00 - —
Spray, paper bgs., Adams, Mass..ton.10.00 - —
Annville, Pa.....ton.10.00 - —
Bellefonte, Pa.....ton.10.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.10.00 - —
Marblehead, Ohio.....ton.10.00 - —
Rockland, Maine.....ton.10.00 - —
Sciote, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.10.00 - —
York, Pa.....ton.10.00 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen[2] 20.5% N. (see Ammonia nitrate-lime-stone).
Linalool, cns.....lb. 7.75 - 7.80
Linalyl acetate, ex lignaloe wood, bots..lb. 8.25 - 8.40
ex petitgrain, bots.....lb. 3.75 - 3.90
Linden flowers with leaves, bls., lb. .85 - .90
Linseed meal,[1,7] 34%, bulk, c.l. ton.45.00 - —
32%, bulk, c.l.....ton.43.00 - —
Litharge, com'l, powd., bbls., c.l., dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash. lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09½- —
other points.....lb. .09 - —
Lithium carbonate, NF, bbls., kgs..lb. 1.25 - 1.30
Bromide, bbls., 100-lb. lots, works, frt. equald..lb. 1.90 - —
smaller lots, works.....lb. 1.92 - 1.95
Chloride, jars.....lb. 1.65 - 1.70
Citrate, bbls., dms., kgs....lb. 1.40 - 1.41
Fluoride, bbls.....lb. 2.45 - 2.66
Hydroxide, jars.....lb. 1.25 - 1.46
Iodide, bots.....lb. 5.20 - —
jars.....lb. 5.05 - —
Stearate, fib. dms., 8 tons, works..lb. .50 - —
Lithopone,[1] ordinary, bgs., c.l. (30 tons)..lb. .04¼- —
l.c.l.....lb. .04½- —
bbls., c.l.....lb. .04½- —
l.c.l.....lb. .04¾- —
titanated, (high-strength), bgs., c.l..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l.....lb. .0585- —
smaller lots.....lb. .0610- —
Lithopone, c.l., dlvd. Pac. Cst., ¼c. higher; l.c.l., ex whse. Pac. Cst., ½c. higher.
Liverwort leaves, bls.....lb. .65 - .66
Lobelia herb, bls.....lb. 1.10 - 1.15
Lobeline sulphate, bots., wks..oz.25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .32 - —
liquid, No. 1, bbls., c.l....lb. .17 - —
No. 2, bbls., l.c.l.....lb. .16 - —
No. 3, bbls., l.c.l.....lb. .15½- —
No. 4, bbls., l.c.l.....lb. 15 - —
solid, No. 1, bgs., l.c.l....lb. .28 - —
No. 2, bxs., l.c.l.....lb. .26 - —
bbls., c.l., Zone 1.....lb. .09½- —
No. 4, bxs., l.c.l.....lb. .23 - —
No. 3, bxs., l.c.l.....lb. .23½- —
No. 5, bxs., l.c.l.....lb. .21½- —
No. 6, bxs., l.c.l.....lb. .39½- .44½
Lovage root, American (ligusticum actae folium), bls..lb. 1.20 - 1.50
Lupulin, NF, tin.....lb.12.75 -13.00
Lycopodium, USP, cs.....lb. 1.75 - 2.00

M

Mace,[1,7] Amboyna, cs.....lb. .77 Nom.
Banda, cs.....lb. .98 Nom.
West Indian, bgs.....lb. .62 Nom.
No. 1, bgs.....lb. .60 Nom.
broken, bgs.....lb. .55 Nom.
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia arsenate,[3] dms.....lb. .153 - .16
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1..lb. .07¼- —
bbls., c.l., Zone 1.....lb. .07½- —
l.c.l., Zone 1.....lb. .08½- —
kgs., c.l., Zone 1.....lb. .08¾- —
l.c.l., Zone 1.....lb. .09¾- —
USP, bgs., c.l., Zone 1....lb. .08 - —
l.c.l., Zone 1.....lb. .09 - —
Magnesia, USP, bbls., c.l., Zone 1..lb. .08½- —
l.c.l., Zone 1.....lb. .09½- —
kgs., c.l., Zone 1.....lb. .09¾- —
l.c.l., Zone 1.....lb. .10¾- —

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa., l.c.l. prices ¼c. lower, Zone 2, store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md., Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Chloride, anhyd., bbls., dlvd..lb. .12¾- —
flake, bbls., c.l., works...ton.82.00 - —
l.c.l., works.....ton.89.00 -42.00
Fluoride, bbls.....lb. .20 - .21
Hydroxide, medicinal, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, cns.....lb. 1.43 - —
Laurate, bbls.....lb. .33 - .35
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Phosphate, tribasic, USP, bbls. lb. .60 - —
Silicate (see Talc).
Silicofluoride, bbls.....lb. .08 - .09
Stearate, ctns.....lb. .31 - .33
Sulphate (see Epsom salt).
Trisilicate, dms., 1,000-lb. contracts..lb. .37 - —
smaller lots.....lb. .42 - —
Magnesite, cal., powd., bgs., c.l., mines, Calif..ton.88.75 - —
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -32.00
Maleic anhydride, dms., c.l....lb. .25 - —
l.c.l.....lb. .26 - —
Malva flowers, black, bls.....lb. No stocks
blue, bls.....lb. 1.25 - 1.30
Leaves, bls.....lb. .43 - .44
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .33 - .34
Manganese acetate, dms.....lb. .25½- —
Arsenate,[6] bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .16 - .18
Manganese carbonate, bbls...lb. .10 - —
Chloride, anhyd., bbls.....lb. .15 - .18
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
smaller lots, works..ton.77.00 -82.00
85-90%, burlap bgs., c.l., works..ton.71.75 - —
l.c.l., works.....ton.74.75 -79.75
paper bgs., c.l., works..ton.70.00 - —
l.c.l., works.....ton.73.00 - —
Glycerophosphate, bgs., bbls., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .26 - —
Iodide, bots.....lb. 5.70 - —
jars.....lb. 5.55 - —
Linoleate, liquid, 4%, dms..lb. .20 - —
solid, precip., 8.2%, bbls...lb. .22 - —
Naphthenate, 6% Mn, dms..gal. .16 - —
Resinate, fused, 3½%, bbls..lb. .09 - .10¼
precip., dms.....lb. .14¼- .15½
Soyate, 8.2% Mn, dms.....lb. .22 - —
Sulphate, anhyd., dms., works, lb. No stocks
feed grade, 77-80%, bgs....lb. .04 - .05
fertilizer grade, 65%, bgs., c.l., dlvd. East..ton.50.50 - —
l.c.l., same basis, or Balto. or Cincinnati...ton.68.50 - —
industrial grade, 80%, bgs..lb. .05 - .05¾
Tallate, 4% Mn, dms.....lb. .09 - —
Mangrove bark,[1,8] E. Africa, 38% tannin, c.l., ex dock, U. S. ports..ton.62.00 -64.00
Manna, flake, large, cs.....lb. No stocks
small, cs.....lb. No stocks
Mannitol,[6] com'l, bbls., works..lb. .35 - .40
reagent, cs. or multiples, works..lb. .85 - —
Marjoram, Argentine, bls.....lb. .14 Nom.
California, French type, new crop, bls., Pacific Coast..lb. .24 - .25
Chilean, bls.....lb. .13 - .13½
Matico leaves, bls.....lb. .22 - .24
Menadione, USP, bota.....gram. .10 - —
Menthol, natural, USP, cns...lb. 4.40 - 4.65
synthetic, tech., cns.....lb. No prices
USP, laevo, cns.....lb. No prices
racemic, cns.....lb. 4.00 - 4.65
Menthyl salicylate, tins.....lb. 3.00 - 3.10
Mercurial ointment, USP, mild, 10%, tubs..lb. .70 - .72
30%, pails.....lb. 1.30 - —
50%, pails.....lb. 1.88 - 1.90
Mercury bichromate[3] (see Corrosive sublimate).
Bisulphate, dms.....lb. 2.59 - 2.61
Chloride (see Calomel).
Cyanide, cryst., powd.....lb. 2.36 - —
Iodide, red, NF, dms., kgs..lb. 4.30 - —
yellow, fib. dms., kgs.....lb. 4.5a - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
yellow, USP, fib. dms.....lb. 2.94 - 2.96
tech. (see Yellow, mercury oxide).
Mercury and chalk, dms.....lb. 1.66 -1.76
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, composition, 5½x5½ in..pkg. 3.00 - —
Gold X+, deep, 23, 3¼x3¼ in., pkg.15.00 - —
Silver, 5¾x5¾ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls.....lb. 1.05 - 1.10
Metaphenylenediamine, kgs.....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .70 - —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R., gal. .66 - —
l.c.l., same basis.....gal. .73 - —
tanks, same basis.....gal. .60 - —
Inside prices on natural methanol W. of Miss. R., 3c. higher.

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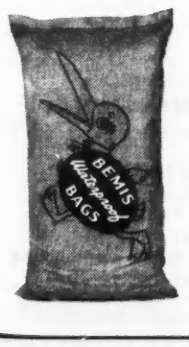

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Methanol, synthetic, dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .38 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½- —
tanks, Zone 1, frt. alld..gal. .24 - —
2, frt. alld.....gal. .27 - —
3, frt. alld.....gal. .29 - —
4, frt. alld.....gal. .29 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .08½- —
10 dms., dlvd.....lb. .09¾- —
1-9 dms., dlvd.....lb. .10¾- —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .12 - .15½
10 dms.....lb. .13½- .16¾
1-9 dms.....lb. .14½- .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10¼- .12
W. of Miss.....lb. .11½- .12
l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - 13½

Methyl acetate, CP, 97-99%, tanks, E. of Miss.....lb. .09½- —
W. of Miss.....lb. .10½- —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½- .11
W. of Miss.....lb. .08½- .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .30½- —
Acetone, natural, Group A, dms. (incl., c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.

Group B, dms., c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .83 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
tanks, Zone 1, same basis, Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½- —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Methyl acetone, synthetic, dms., c.l., Zone 1..gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.20 - 2.35
Benzoate, cns.....lb. .48 - —
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —

Methyl chloride, refrig., tanks, service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.....lb. 2.25 - —
Formate, dms.....lb. .89 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[4] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. .30 - .33
Methylcellulose, special, vis. (4,000 cps.) fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld.....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs. 100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.85 - —
Chloride, refrig., dms., wks..lb. .18 - .28
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works—lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Methylnaphthyl ketone, cns...lb. 3.25 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½- —
1 and 5-gal. cont., works..lb. .20½- .22½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.47.50 - —
l.c.l., works.....ton.51.00 - —
roofing, 20 mesh, bgs., c.l., works..ton.32.50 -33.00
l.c.l., works.....ton.38.00 -40.00
30-31 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
40-45 mesh, bgs., c.l., works, ton.32.50 -35.00
l.c.l., works.....ton.37.50 -40.00
80 mesh, bgs., c.l., works, ton.40.00 -42.50
l.c.l., works.....ton.44.00 -45.50
graphitic, bulk, Pa., mines, ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
extra fine, bgs., c.l., works, frt. alld. E..lb. .04¾- —
l.c.l., ex whse. or frt. alld. E..lb. .05¼- —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse. or frt. alld. E..lb. .06 - —
rubber, bgs., c.l., works, frt. alld. E..lb. .05¼- —
l.c.l., ex whse. or frt. alld. E..lb. .05¾- —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05½- —
l.c.l., ex whse, or frt. alld. E..lb. .06 - —
white, extra fine, bgs., c.l., works, frt. alld E..lb. .06½- —
l.c.l., ex whse. or frt. alld. E..lb. .07 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, ¾c. higher.
Milk powder,[1,7] skimmed, roller, bulk, c.l..lb. .14¼- —
spray, bulk, c.l.....lb. .13¾- —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l.....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾- .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,6] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½- —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.00 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[1,6] kgs., 99% powd..lb. 2.60 - 3.00
Trioxide,[1,5] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .05½- —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%...lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .133
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
Ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more, lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90

If it's LEMON flavored—

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More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil.

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Muskroot, bls.....lb. 2.25 - 2.30
Mustard seed, Calif., brown, bgs., lb. .13 - .13½
yellow, bgs.....lb. .19 Nom.
Dutch, yellow, bgs., futures, lb. .24½- .25
Montana, brown, bgs.....lb. .10½- .11
oriental, bgs.....lb. .10½- .11
yellow, bgs.....lb. .25 - .26
Swedish, bgs., futures.....lb. .38 - .38½
Washington, yellow, bgs....lb. .25 - .26
Myrobalans,[1] whole, J1, U. S. ports, ex dock..ton.58.00 - —
J2, same basis.....ton.52.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74°, bgs., c.l., frt. equald..lb. .06 - —
bbls., c.l., same basis...lb. .061 - —
tanks, same basis.....lb. .0276- —
78°, bgs., c.l., same basis.. lb. .0325- —
bbls., c.l., same basis...lb. .0325- —
tanks, same basis.....lb. .03 - —
refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .06 - —
50-lb. cs., same basis....lb. .06½- —
1-lb. pkgs., same basis...lb. .09¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nephelinesyenite,[1] glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Neroline, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel, carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, bots., dms.....lb. No stocks
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 96 lbs..lb. .3660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide, USP, dms....kilo.11.00 -11.30
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble, ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .25 - —
Nitrogen solut., tanks.....ton N.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis.
Nitrogenous process tankage,[1,7] Hopewell, Va., bulk, works, unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works...lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. No stocks
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34¼- .34¾
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13½- .14

O

Oakbark extract,[1,6], 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial grade, dms., c.l., G.3..gal. .15½- —
100°-140° C., indust., grd. dms., l.c.l., G.3..gal. .29 - —
10 gals., G.3.....gal. .35 - —
tanks, G.3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., divd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.60 - 5.25
USP, bots.....lb. No prices
Sweet, exp., dms., cns.....lb. 1.20 - 1.65
Angelica root, bots.....lb.125.00 -135.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Apricot kernel, cns.....lb. .45 - .50
Avocado, cns., dms.....lb. 1.00 - 1.10
Babassu,[1,7] tanks.....lb. .1110- —
Bay, W. I., 50-55%, cns.....lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.75 - —
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.50 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns....lb. 5.50 - 5.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. No stocks
redistilled, USP IX, cns....lb. No stocks
Calamus, cns.....lb.20.00 -27.00
Camphor, synthetic, white, cns. lb. .18 - .23
Cananga, native, cns.....lb. 8.00 -10.00
rectified, cns.....lb. No stocks
Capsicum (see Capsicum, oleoresin).
Caraway, NF, cns.....lb. 9.00 -11.50
Cardamom, bots.....lb.17.00 -18.00
Cassia, USP, cns.....lb. No stocks
Castor,[1] blown, ret. dms., c.l. lb. .15½- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., c.l. lb. .14 - —
l.c.l. .....lb. .14½- —
cns. .....lb. .15¾- .17¾
dms., c.l.....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehydrated, bodied, dms., c.l. lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb. .1690- —
tanks .....lb. .1650- —
No. 3, tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14¼- —
dms., c.l.....lb. .13½- —
l.c.l. .....lb. .14¼- —
tanks .....lb. .12¾- —
sulphonated, 50% (48% fat), dms., c.l..lb. .09½- .09¾
l.c.l. .....lb. .10½- .11
Oil, castor, sulphonated, 75% (63% fat), dms., c.l..lb. .12½- .12¾
l.c.l. .....lb. .13 - .13½
80% (69% fat), dms., c.l..lb. .12¾- .13
l.c.l. .....lb. .13¾- .14
Cedarleaf,[1] USP, cns., dms..lb. 2.50 - 2.75
Cedarwood, dms.....lb. 1.00 - 1.10
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns.....lb. .60 - .65
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -34.50
leaf, dms.....lb. 1.50 - 1.85
Citronella, Ceylon, cns.....lb. 1.70 - 1.75
Clove, USP, cns.....lb. 1.50 - 1.75
Coconut,[1,7] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0335- —
Cochin type, bulk, c.i.f. N. Y..lb. .0335- —
Manila, bulk, c.i.f. N. Y..lb. .0335- —
ret. dms.....lb. .0385- .0393
edible, ex tax, bulk.....lb. .0385- —
Cod, Newfoundland, dms....gal. .66 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 2.25
Coriander, bots.....lb.22.85 -25.00
Corn,[1,7] crude, tanks, works.lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks .....lb. .1502- —
foots, acid, 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E.lb. .03½- —
Cottonseed,[1,7] cooking, l.c.l., ret. dms..lb. .16¼- —
crude, tanks, works.....lb. .12½- .13½
foots, acid, 95% tanks, dlvd. E..lb. .07¾- —
raw, 50%, tanks, dlvd. E., lb. .03¾- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. No prices
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude).
Cumin, bots.....lb. No stocks
Cypress, bots.....lb.12.00 -16.00
Degras (see D).
Dillseed, bots.....lb. 6.00 - 7.00
Oil, dillweed, bots.....lb. 4.25 - 5.00
Dip (see D).
Erigeron, cns.....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.15 - 1.40
Fennel, sweet, cns.....lb. 4.00 - —
Fir, Canada, cns.....lb. 2.25 - 2.75
Fishliver,[1] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns....lb. No stocks
Geranium, Bourbon, cns.....lb.16.75 -18.00
Russian, cns.....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.12.00 -13.50
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .12½- —
Guaiacwood, cns.....lb. 3.25 - 4.15
Hemlock, cns.....lb. 2.00 - —
Herring,[1] crude, tanks, Pac. coast..lb. .060 - —
Juniper, berry, dom., bots....lb. 6.75 - 7.50
Juniper tar, USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .90 - 1.00
Lard oil (see Oil, grease).
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 8.00 - 8.75
Lavender flower, French, 35%-42% ester, cns..lb.16.00 -18.00
35%-38% ester, cns.....lb.14.00 -16.00
Russian, cns.....lb.14.50 - —
spike, Spanish, pure, cns....lb. 2.75 - 3.10
tech., cns.....lb. 2.35 - 2.50
Lemon, USP, Calif., cns.....lb. 3.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb.40.00 -50.00
Oil, lemongrass, cns, dms....lb. 2.75 - —
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.95 - 6.25
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns., lb. 6.25 - 6.75
West Indian, cns.....lb. 7.25 - 7.50
expressed, West Indian, cns., lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l...lb. .1550- —
l.c.l. .....lb. .1600- .1660
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l..lb. .1400- .1660
tanks .....lb. .1320- .1470
Lubricating,[1] at refinery, ex tax, California, neutral, pale, 200-300 vis., 2¾-4 pour, tanks..gal. .07½- .11
red., 200-300 vis., 4-6½ pour, plus tanks..gal. .07½- .11½
Group 2, bright stock, 150-160 vis., 0.25 pour, tanks, gal. .23 - —
neutral, 300 vis., No. 3, col., 0-10 pour, tanks, gal. .16 - —
200-380 vis., No. 3, col., 15-25 pour, tanks, gal. .15 - .16
Pa., bright stock, 145-155 vis., No. 3 color, 10-25 pour, tanks..gal. .28 - .30½
cylinder oils, 600-630 flash, tanks..gal. .16 - .17
600-650 steam, refd., tanks..gal. .15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks..gal. .26 - .31
200 vis., 25 pour, tanks, gal. .28 - .33
Mace, dist., cns., dms.....lb. 4.75 - 5.25
Mandarin, Brazilian, cns....lb. 6.75 - 8.75

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n-HEXYL SALICYLATE Is of value in Fougere type odors. It has exceptional floralcy.
ALPHA METHYL CINNAMIC ALDEHYDE Used in Jasmin odors, where a floral note is desired.
CHERIOL For use in both flavors and perfumes. It is interesting in wild cherry flavors. It has a woody after-note which makes it attractive in perfumes of many types.
DIASMOL Is used in Jasmin odors and floral odors generally. It has a green, leafy note which is found in natural Jasmin.
RESEDALIA A chemical which is present in many well known perfumes. It gives a very interesting and unusual note.
CYCLAMAL ACETAL An interesting development of this well known product. Fainter in aroma than Cyclamal, it is extraordinarily stable.
ALDEHYDE 3-A Has a leafy floral note.
KETONE 12-A Is of value in all types of Violet bouquets, wherever Ionones are used and a special Ionone note is desired.
GLYCIDOL Is valuable in Walnut and Butter flavors.
LILANAL Has a leafy rose note and is an excellent Lily of the Valley base. It is soft and fine.
ROSANOL A rose leaf note, reminding of Bromstyrol, but very much finer.
2-ETHYL HEXYL SALICYLATE
CYCLOKETAL Is of value in Russian Leather type perfumes.
b-ETHOXY SALICYLATE
b-ETHOXY ETHYL SALICYLATE
FOLIANOL
n-OCTYL SALICYLATE
n-BUTYL SALICYLATE
AMBRIOL A very stable and lasting product, with an Amber note. It is of value particularly in cream odors and is also a fine underlying odor for many types of soap perfumes.
GERANIUM BODY Enhances the odor of Oil of Rose Geranium. It is exceptionally valuable in soap perfumery. Its value is not apparent until actually tried and age tests are made of the finished product, when it shows to great advantage.
b-METHOXY ETHYL SALICYLATE
ETHYL HEXYL SALICYLATE
FIXATONE Is a high boiling point fixative for soap perfume.
LILANTHAL Is of value in all types of Lilac perfume.
JASMINOL Similar to Alpha Amyl Cinnamic Aldehyde, but very stable. Of much finer odor.
CUIRUSAL Is an interesting odor for the development of new type perfumes.
SALIXOL A light, pleasing Cinnamic Willow Bark note. It is of interest both in flavors and perfumes.
CUMINONE An odor note similar to Cuminic Aldehyde, but much softer and finer.
ACASOL Of value both in perfumes and flavors.
MUGINOL For Lily of the Valley type perfumes.
FLORAFAL Of a floral leafy character.

Information in regard to these, together with samples, will be furnished on request on your firm's letterhead.
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GENERAL DRUG COMPANY
125 Barclay St., New York 7, N. Y.
2 S. CLINTON STREET, CHICAGO 6 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Oil, menhaden,[1,7] crude, tanks, Balto..lb. .0690- —
refined, alkali, dms., c.l...lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, cns....lb. 1.45 - 1.65
Seed, exp., dms., extra....lb. .14¾- —
Neatsfoot,[1] 15°, bbls., c.l..gal. 1.85 - 1.90
20°, bbls.....gal. 1.80 - 1.85
30°, bbls.....gal. 1.60 - 1.65
pure, bbls.....lb. .15½- .16½
Neroli, bots.....lb.190.00 -250.00
Nutmeg, dist., cns., dms....lb. 4.75 - 5.25
Oiticica,[1] liquid, dms., c.l...lb. .24 - —
dms., l.c.l.....lb. .24½- .25
Oleo,[1] extra dms., Chicago...lb. .1304- —
prime, dms., Chicago.....lb. .1275- —
Olibanum, bots.....lb. 5.00 - —
Olive, denat., dms.....gal. No stocks
edible,[1] Calif., 3%-4% f.f.a., dms., extra, works..gal. 4.30 - 4.80
imported, dms.....gal. No stocks
foots,[1] dom., dms., c.l....lb. .18 - —
tankcars, works.....lb. .17 - —
imp.,[1] dms., c.l., ex dock, lb. .18 - —
tankcars, ex dock....lb. .17 - —
sulphonated, 50% (40% fat), dms., c.l..lb. No stocks
l.c.l. .....lb. No stocks
80% (68% fats), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
85% (68% fat), dms., c.l.lb. No stocks
l.c.l. .....lb. No stocks
Orange, sweet, dist., cs.....lb. 1.25 - —
expressed, USP, Brazilian, cns..lb. 1.35 - 1.60
Calif., cns.....lb. 1.65 - 2.00
Florida, cns., dms.....lb. 1.40 - 1.60
Messina, coppers.....ib. No stocks
West Indian, cns.....lb. 2.75 - 3.00
sequiterpeneless, bots.....lb.100.00 -112.00

Oil, origanum, Spanish, cs...lb. 2.40 - 2.75
Palm,[1,7] Niger, dms.....lb. .0965- —
Palmarosa, cns.....lb. 5.75 - 7.00
Palmkernel,[1,7] crude, bulk, c.l.f. N.Y..lb. .0885 Nom.
Paraffin,[1] 300° flash, 100-110 vis., tanks, G.S..gal. .06¾- .06½
320° flash, 60-70 vis., tanks, G.S..gal. .06 - —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S..gal. .06 - —
80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y..gal. .06¾- —
100-110 vis., 0/10 pour, same basis..gal. .06½- .15
10/25 pour, same basis..gal. .06¾- .09¾
Patchouli, cns.....lb. No stocks
Peanut,[1,7] bleached, deod., tanks, divd. E..lb. .1501- —
crude, tanks, works.....lb. .12¾- .13¾
foots, acid, 95%, tanks, divd. E..lb. .06 - —
raw, 50%, tanks, divd. E..lb. .04 - —
hydrogenated, tanks, divd. E., lb. .1573- .1575
Pennyroyal, dms., cns.....lb. No prices
import, cns.....lb. 3.25 - 5.50
Peppermint,[1] natural, dms...lb. 6.25 - 6.85
redist, USP, dms.....lb. 6.75 - 7.50
Perilla, crude, dms.....lb. No stocks
Petitgrain, Paraguay, cns., dms., lb. 2.75 - 3.00
Pimento, berry, dms.....lb. 6.85 - 8.00
leaf, cns.....lb. 4.00 - 4.25
Pine,[1] ret. dms., c.l., divd. E., gal. .62 - .63½
l.c.l., divd. E.....gal. .73 - —
tanks, works.....gal. .55 - —
Pineneedle, cns.....lb. 3.10 - 3.25
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
dms., c.l., Whiting, Ind..gal. *.24 - —
Boston, Providence....gal. .26 - —
l.c.l., same basis.....gal. .27 - —

Oil, putty, tanks, same basis.. gal. .18 - —
Martinez, Cal.....gal. .28 - —
* Extra for bbls., but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.
Rapeseed,[1] bulk.....lb. .13 - —
Red,[1] ret. bbls., c.l., dms., divd. E. of Rockies..lb. .13¼- —
W. of Rockies.....lb. .14¼- —
Texas and Okla.....lb. .13¾- —
tanks, divd. E. of Rockies.. lb. .12¾- —
W. of Rockies.....lb. .13½- —
Texas and Okla.....lb. .13 - —
double dist., ret. dms., c.l., divd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla.....lb. .16¾- —
special non-ret, dms., bbls., c.l., divd. E. of Rockies. lb. .16¾- —
W. of Rockies.....lb. .17¾- —
Texas and Okla.....lb. .17½- —
Red oil prices for ton lots are ½ cent per pound higher, and 1 cent higher for less than ton lots.
Rose, natural, coppers.....oz.31.25 -45.00
Rosemary, Spanish, tech., cns., dms..lb. 1.25 - 1.35
USP, cns., dms.....lb. 1.60 - —
Rosin, 1st rectified, dms...gal. .66 - —
2nd rectified, dms.....gal. .66 - —
3rd rectified, dms.....gal. .72 - —
Rue, bots.....lb. 5.00 - 5.25
Sage, Spanish, cns.....lb. 2.50 - 3.25
Sandalwood, NF, Mysore, cns., case lots..lb. 7.00 - 7.25
Sardine, crude,[1,7] tanks, Pac. coast..lb. .089 - —
refined, alkali, dms., l.c.l..lb. .1400- —
kettle-bodied, dms., l.c.l..lb. .1500- —
light-pressed, dms., l.c.l..lb. .1300- —
tanks .....lb. .1225- —

Oil, sassafras, artif., cns....lb. .55 - .60
natural, cns., dms.....lb. 2.00 - 2.80
Savin, cns.....lb. No stocks
Savory, cns.....lb. 8.00 - —
Seal,[1] No. 1, tanks, U.S. ports. lb. .089 - —
Sesame,[1,7] tanks.....lb. .1430- —
Shingle stain, bbls., c.l., works, gal. .2185- —
l.c.l., works.....gal. .22 - .30
tanks, works.....gal. .15 - .16
Snakeroot, Canada, cns.....lb. No stocks
Soybean,[1,7] clarified, dms....lb. .1295- .1335
tanks .....lb. .1250- —
crude, tanks, Decatur.....lb. .1175- —
deod., Winter, tanks.....lb. .1325- —
ret. dms.....lb. .1500- .1540
foots, acid, 95%, tanks, divd. E..lb. .07¼- —
raw, 50%, tanks, divd. E..lb. .03½- —
refd., varnish, dms.....lb. .1380- .1400
tanks .....lb. .1240- .1247
Spearmint, dms.....lb. 4.00 - 4.25
Sperm, bleached, 33°, dms...lb. .1443- —
natural, 45°, dms.....lb. .1310- —
Spruce,[1] cns., dms.....lb. 2.55 - 2.75
Sunflower,[7] imp., refined, tanks, lb. .1438- —
semi-refined, tanks.....lb. .1430- —
Sweet birch, North, cns.....lb. 4.00 - 5.00
South, cns.....lb. 2.50 - 3.75
Tall,[1] crude, dms., c.l., works, ton.53.65 -55.00
l.c.l., works.....ton.58.65 -63.65
tanks, works.....ton.49.00 -45.00
refined, dms., c.l., works..lb. .05 - .05¼
l.c.l., works.....lb. .05½- —
tanks, works.....lb. .04½- —
Tallow, acidless, bbls.....lb. .14¼- —
tanks .....lb. .13¾- —
Tansy, cns.....lb. No stocks
Tar,[1] pine, crude, dms., c.l., divd. E. cities..gal. .32½- —
l.c.l., works.....gal. .29¾- —
tanks, divd. E. cities....gal. .27 - —
rectified, USP, bbls.....gal. .60½- —
Tar acid (see T).
Thyme, NF, red, cns.....lb. 2.75 - 3.15
white, cns.....lb. 3.05 - 3.55
Tung,[1] dms., c.l.....lb. .39 - .39½
l.c.l. .....lb. .40 - .41
tanks .....lb. .38¾- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, rectified, USP, cns., dms..lb. .27 - .29
Vetiver, Bourbon, cns.....lb.35.00 -37.00
Whale,[1] ref., natural, dms..lb. .1187 Nom.
Winter bleached, dms....lb. .1232 Nom.
Wheat germ, dms.....gal.10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l..gal. .34 - —
l.c.l. .....gal. .37 - .41
65-75 vis., dms., dms.incl., c.l..gal. .35 - —
l.c.l. .....gal. .38 - .42
USP, 80/90 vis., dms., dms. incl., c.l..gal. .37 - —
l.c.l. .....gal. .40 - .44
125/135 vis., dms., dm. incl., c.l..gal. .46 - —
l.c.l. .....gal. .49 - .53
145/155 vis., dms., dms. incl., c.l..gal. .48 - —
l.c.l. .....gal. .51 - .55
175/185 vis., dms., dms. incl., c.l..gal. .50 - —
l.c.l. .....gal. .53 - .57
200/210 vis., dms., dms. incl., c.l..gal. .54 - —
l.c.l. .....gal. .57 - .61
335/345 vis., dms., dms. incl., c.l..gal. .62 - —
l.c.l. .....gal. .65 - .69
55, 70 and 85 vis., non-ret. dms., 65 dms., San Francisco..gal. .42 - —
smaller lots, same basis, gal. .44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco.. gal. .51½- —
smaller lots, same basis, gal. .53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco..gal. .59 - —
smaller lots, same basis, gal. .61 - .64
180 vis., non-ret., dms., 65 dms., San Francisco..gal. .62½- —
smaller lots, same basis, gal. .64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco..gal. .74 - —
smaller lots, same basis, gal. .76 - .79
Wintergreen, natural, North, cns..lb. 5.50 -8.50
South, cns.....lb. 4.00 - 4.25
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed,[1] cns.....lb. 5.00 - 5.15
Wormwood, cns.....lb. 4.85 - 5.50
Ylagn-ylang, Bourbon, bots..lb. 9.00 -24.50
Oleoresin,[1] dms., Chicago....lb. .1661 —
Olivine, aggregate, c.l., mines.. ton. 7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bgs., c.l., works..ton. 9.50 - —
lumps, paper bgs., c.l., works, ton. 7.00 - —
spalls, paper bgs., c.l., works, ton. 5.00 - —
Opium gum, USP, cns., 50-lb.lots, lb.13.00 - —
25-lb. lots.....lb.13.25 - —
smaller lots.....lb.13.50 -13.65
Prices on powd. and gran. USP opium are $1.50 per pound higher.
Orange, cadmium, selenide, bbls., 100-lb. lots, works..lb. 1.50 - —
Dinitroaniliin, toner[1].....lb. 1.05 - —
Molybdate,[1] bbls.....lb. .41 —
Orthonitroanilin toner,[1] bbls., kgs., works..lb. .80 - 1.05
Persian,[1] bbls.....lb. .30 - .45
Orange peel, bitter, Haitian, bgs., tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .12¼- —
divd. Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
smaller lots, Ala., etc..lb. .12¾- —
Ariz., etc.....lb. .13¼- —
Colo., Mont., N. M., Wye..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .13¼- .14
sweet, bls.....lb. .14 - .14½
Oregano, Mexican, curly leaf, bgs..lb. .08¼- .09
flat leaf, bgs.....lb. .08¼- .09¾
Orris root, Florentine, bls.....lb. .55 - .58
Verona, bls.....lb. No stocks
Portuguese, bls.....lb. .48 - .49
Orthoamylphenol, dms., works..lb. .25 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniliin, dms.....lb. .60 - —
Orthochlorophenol, dms.....lb. .25 - .27

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ISOPROPYL ALCOHOL (REFINED 91%)
ISOPROPYL ETHER
MESITYL OXIDE
METHYL ETHYL KETONE
METHYL ISOBUTYL CARBINOL
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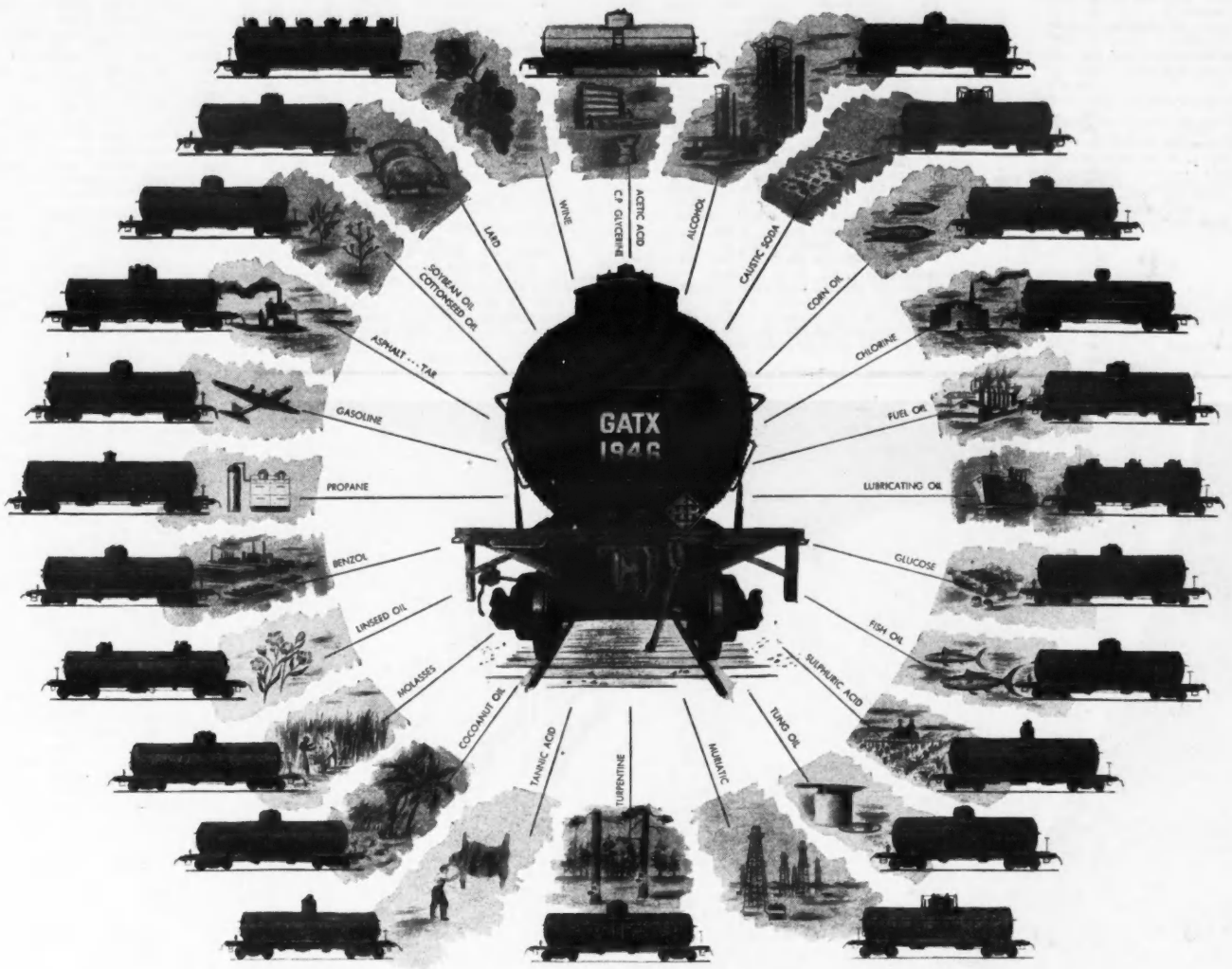

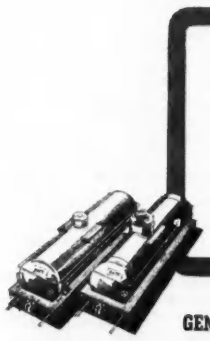

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Orthocresol,[8] 30.4° C., min., M.P., dms., c.l., works	lb.	.17½ -	.18
l.c.l., works	lb.	.18 -	.18½
29° C. min., M.P., dms., c.l., works	lb.	.16½ -	.17
l.c.l., works	lb.	.17 -	.17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies,	lb.	.07 -	—
l.c.l., same basis	lb.	.08 -	—
tanks, same basis	lb.	.06½ -	—
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.			
Orthonitroaniliin, dms	lb.	.43 -	.55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works	lb.	.10 -	—
l.c.l., works	lb.	.11 -	—
grade B, dms., c.l., works	lb.	.06 -	—
l.c.l., works	lb.	.07 -	—
Orthonitrochlorobenzene, dms.	lb.	.15 -	.18
Orthonitroparachlorophenol, cns.,	lb.	.75 -	—
Orthonitrotoluene, dms	lb.	.09 -	—
Orthophenetidin, dms	lb.	.82 -	—
Orthotoluidin, dms	lb.	.19 -	—
Osage orange crystals, bbls	lb.	.23 -	—
Extract, No. 1, bbls	lb.	.11 -	—
No. 2, bbls	lb.	.10 -	—
Ouabaine, USP, bots	gram.	3.00 -	4.00
Oxyquinolin sulphate, cns., 100 lbs., works	lb.	3.50 -	—
smaller lots, works	lb.	3.75 -	4.15

P

Papain, powd., cs	lb.	3.85 -	4.25
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots	oz.	7.00 -	—
smaller lots	oz.	7.05 -	7.85
Sulphate, cns	oz.	7.10 -	7.55
Paprika,[1] Calif., sweet Caliente, ground, bgs.	lb.	.40 -	.41
Chilean, bgs	lb.	.32 -	.40
Portuguese, bgs	lb.	.38 -	.42
Spanish, bgs	lb.	.45 -	.46½
Para-anisidin, dms., works	lb.	.75 -	—
Parachlorophenol, dms., c.l., wks.	lb.	.24 -	—
l.c.l., same basis	lb.	.25 -	.27
Paracresol, bbls., works	lb.	.41 -	—
Paracymene, dms., c.l., works	lb.	.1595-	—
l.c.l., same basis	lb.	.1645-	—
tanks, same basis	lb.	.1545-	—
Paradichlorobenzene, dms., c.l., works	lb.	.11 -	.12
l.c.l., same basis	lb.	.12½ -	.16
Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery	lb.	.04¼ -	—
fully ref'd. slabs, loose, 117-119 ASTM, c.l., refinery	lb.	.05 -	—
120-122 ASTM, refinery	lb.	.0520-	—
122-124 ASTM, refinery	lb.	.0520-	—
125-127 ASTM, refinery	lb.	.0560-	—
127-129 ASTM, refinery	lb.	.0583-	—
128-130 ASTM, refinery	lb.	.0585-	—
130-132 ASTM, refinery	lb.	.0615-	—
132-134 ASTM, refinery	lb.	.0640-	—
135-137 ASTM, refinery	lb.	.0715-	—
140-142 ASTM, refinery	lb.	.0810-	—
146-148 ASTM, refinery	lb.	.1050-	—
Prices in bags 4/10c. per lb. higher.			
Paraformaldehyde, dms., 1,000 lbs. or more, works	lb.	.21 -	—
smaller lots, works	lb.	.22 -	—
Paraldehyde, tech., 96%, 55 and 110-gal. dms., l.c.l., wks.	lb.	.12 -	—
10-gal. dms., works	lb.	.15 -	—
USP, cbys., cns	lb.	.35 -	.45
Paranitroaniliin, kgs., works	lb.	.43 -	.46
Paranitrochlorobenzene, kgs., wks.	lb.	.15 -	—
Paranitrophenol, kgs	lb.	.35 -	—
Paranitrotoluene, kgs., works	lb.	.30 -	—
Paraphenylenediamine, tech., kgs.	lb.	2.00 -	—
Paratoluenesulphonamide, bbls.	lb.	.70 -	—
Paratoluidin, bbls., works	lb.	.49 -	—
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld.	lb.	.20 -	.27
l.c.l., same basis	lb.	.22 -	.28
Passion flower herb, bls	lb.	.23 -	.24
Patchouli leaves, bls	lb.	.34 -	.35
Pectin, bbls	lb.	1.25 -	—
Penicillin,[4,9] ampule, per 100,000 unit.		.55 -	.95
Pennyroyal leaves, bls	lb.	.16 -	.18
Pentachlorophenol, dms., works,	lb.	.20 -	.25
Pentaerythritol, CP, bbls., dlvd.	lb.	.75 -	—
smaller containers	lb.	1.00 -	—
tech., bbls., c.l.	lb.	.27 -	—
l.c.l.	lb.	.31 -	—
Pentane, 28°-38° C, industrial grade, dms., c.l., Group 3	gal.	.11 -	—
l.c.l., dms., Group 3	gal.	.19 -	—
industrial grade, tanks, Group 3	gal.	.07¼ -	.07½
laboratory grade, 10-gal. cns., dlvd. E.	gal.	.55 -	—
dms., c.l., Group 3	gal.	.16 -	—
l.c.l., Group 3	gal.	.29 -	—
Pepper, black,[1,7] 15 tons, bgs	lb.	.10 -	—
50 to 100 bgs	lb.	.1050-	—
4 to 24 bgs	lb.	.1100-	—
Red, capsicum, Carolina, longs, new crop, bgs., ship't point.	lb.	.32	Nom.
sports, old crop, bgs	lb.	.46	Nom.
Pepper, red, capsicum, Louisiana, sports, bgs.	lb.	No stocks	
long, new crop, bgs., ship't point	lb.	No stocks	
Chillies, bgs	lb.	No stocks	
White,[1,7] bgs., 15 tons	lb.	.1161	Nom.
24 bgs	lb.	.1295	Nom.
Peppermint, dom., USP, bls	lb.	.85 -	.90
imported, bls	lb.	.90	Nom.
Perchloroethylene, dms., c.l., Zone 1, works, frt. alld.	lb.	.0782-	.0860
Zone 2, same basis	lb.	.0832-	.0850
Zone 3, same basis	lb.	.0882-	.0900
Zone 4, same basis	lb.	.0876-	.0900
l.c.l., Zone 1, same basis	lb.	.0832-	.0850
Zone 2, same basis	lb.	.0882-	.0900
Zone 3, same basis	lb.	.0932-	.0950
Zone 4, same basis	lb.	.0926-	.0956
Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3), Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.			
Peru balsam, dms	lb.	1.10 -	1.25
Petrolatum, tech., dark, bbls., Group 3, c.l.	lb.	.021 -	—
golden topaz, bbls., c.l.	lb.	.032 -	—
l.c.l.	lb.	.036 -	—
red, veterinarian, bbls., c.l.	lb.	.024 -	—
l.c.l.	lb.	.028 -	—
USP, amber, non-ret. dms., c.l.	lb.	.03½ -	—
l.c.l.	lb.	.04½ -	—
extra amber, dms., c.l.	lb.	.03¾ -	—
l.c.l.	lb.	.04¾ -	—
cream, c.l., dms	lb.	.05 -	—
l.c.l.	lb.	.06½ -	—
yellow, soft, dms., c.l.	lb.	.03½ -	—
l.c.l.	lb.	.04½ -	—
white, lily, dms., c.l.	lb.	.05¾ -	—
l.c.l.	lb.	.07¼ -	—
snow, dms., c.l.	lb.	.06½ -	—
l.c.l.	lb.	.08 -	—
soft, dms., c.l.	lb.	.05½ -	—
l.c.l.	lb.	.06½ -	—
Petroleum, crude, buix, at wells, California, heavy grades.	bbl.	.93 -	1.01
Illinois	bbl.	1.37 -	—
Kentucky, Union County.	bbl.	1.32 -	1.37
Louisiana-Arkansas	bbl.	.86 -	1.20
Oklahoma-Kansas	bbl.	.85 -	1.25
Pennsylvania	bbl.	1.31 -	3.00
Texas, Gulf coast	bbl.	1.06 -	1.86
North, North-Central.	bbl.	1.01 -	1.25
Panhandle	bbl.	1.15 -	1.22
West	bbl.	.70 -	1.72
Wyoming	bbl.	1.12 -	—
Ether, laboratory grade, 30°-60° C, 10-gal. cns., dlvd., E.	gal.	.55 -	—
30°-60°C., dms., c.l., Group 3.	gal.	.16 -	—
l.c.l., Group 3	gal.	.29 -	—
35°-60° C., 10-gal., cns. dlvd., E.	gal.	.55 -	—
dms., c.l., Group 3.	gal.	16 -	—
l.c.l., Group 3	gal.	.29 -	—
40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55 -	—
dms., c.l., Group 3.	gal.	.16 -	—
l.c.l., Group 3	gal.	.29 -	—
40°-75° C, 10-gal., cns., dlvd., E.	gal.	.55 -	—
dms., c.l., Group 3.	gal.	.16 -	—
l.c.l., Group 3	gal.	.29 -	—
Fuel oil,[1] furnace, tanks, at refinery, Arkansas, No. 1.	gal.	.04 -	—
Nos. 2 and 3	gal.	.03½ -	—
Bayonne, No. 2, tanks.	gal.	.052 -	—
California, heavy	bbl.	1.10 -	—
light	bbl.	1.20 -	—
diesel	gal.	.04 -	—
stove dist.	gal.	.05 -	—
Group 3, No. 3	gal.	08½ -	—
No. 5	bbl.	.85 -	—
No. 6	bbl.	.80 -	.85
Kansas, No. 3	bbl.	.85 -	.90
Oklahoma, No. 2	gal.	.03¾ -	—
No. 6	bbl.	.90 -	—
No. 14-16	bbl.	.97 -	—
Pennsylvania, No. 1.	gal.	.07 -	.07¾
No. 2	gal.	.07 -	.0805
No. 3	gal.	.06¾ -	.07¾
36-40 gravity	gal.	.07 -	.07¾
bunker C (No. 6), tanks, Albany, N. Y.	bbl.	1.71 -	—
Baltimore, Md.	bbl.	1.51 -	—
Boston, Mass.	bbl.	1.555 -	—
Charleston, S. C.	bbl.	1.42 -	—
Fall River, Mass.	bbl.	1.525 -	—
Jacksonville, Fla.	bbl.	1.42 -	—
New Haven, Conn.	bbl.	1.525 -	—
New York, N. Y.	bbl.	1.51 -	—
Norfolk, Va.	bbl.	1.47 -	—
Philadelphia, Pa.	bbl.	1.51 -	—
Portland, Me.	bbl.	1.555 -	—
Portsmouth, N. H.	bbl.	1.555 -	—
Providence, R. I.	bbl.	1.525 -	—
Savannah, Ga.	bbl.	1.42 -	—
Tiverton, R. I.	bbl.	1.525 -	—
Wilmington, N. C.	bbl.	1.42 -	—
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 -	—
Fort Wells, Wash.	gal.	.12 -	—
San Francisco.	gal.	.11½ -	—
Willbridge, Ore.	gal.	.12 -	—
East coast, N. J., N. Y., tanks, refinery.	gal.	.11½ -	—
Group 3, benzol type, tanks.	gal.	.07¾ -	—
toluol type, tanks	gal.	.07¾ -	—
Mineral spirits, California, San Francisco, 163-252 b.r., tanks.	gal.	.10¼ -	—
198-200 b.r., tanks.	gal.	.10¼ -	—
312-408 b.r., tanks.	gal.	.09 -	—
246-397 b.r., tanks.	gal.	.10¼ -	—
362-458 b.r., tanks.	gal.	.09 -	—
East coast, N. J., N. Y., tanks, refinery.	gal.	.10 -	—
Group 3, tanks, refinery.	gal.	.06¼ -	—
Milwaukee	gal.	.1240-	—
Boston	gal.	.12 -	—
Bridgeport, Conn.	gal.	.1430-	—
Buffalo	gal.	.1240-	—
Camden, N. J.	gal.	.11 -	—
Chicago	gal.	.1150-	—
Detroit	gal.	.1380-	—
Hartford	gal.	.1450-	—
Kansas City, Mo.	gal.	.1280-	—
Lancaster, Pa.	gal.	.12 -	—
tankwagon, Milwaukee.	gal.	.1240-	—
Minneapolis	gal.	.1220-	—
Newark	gal.	.11 -	—
New York	gal.	.11 -	—
Philadelphia	gal.	.11 -	—
Pittsburgh	gal.	.125 -	—
Providence	gal.	.13 -	—
Rochester	gal.	.1320-	—
St. Louis.	gal.	.1370-	—
Syracuse	gal.	.14 -	—
Washington, D. C.	gal.	.135 -	—
Wilmington, Del.	gal.	.11 -	—
Naphtha, cleaners, California, tanks, San Francisco.	gal.	.12 -	—
East coast, N. J., N. Y., tanks, refinery.	gal.	.11 -	—
Group 3, tanks, refinery,	gal.	.07½ -	—

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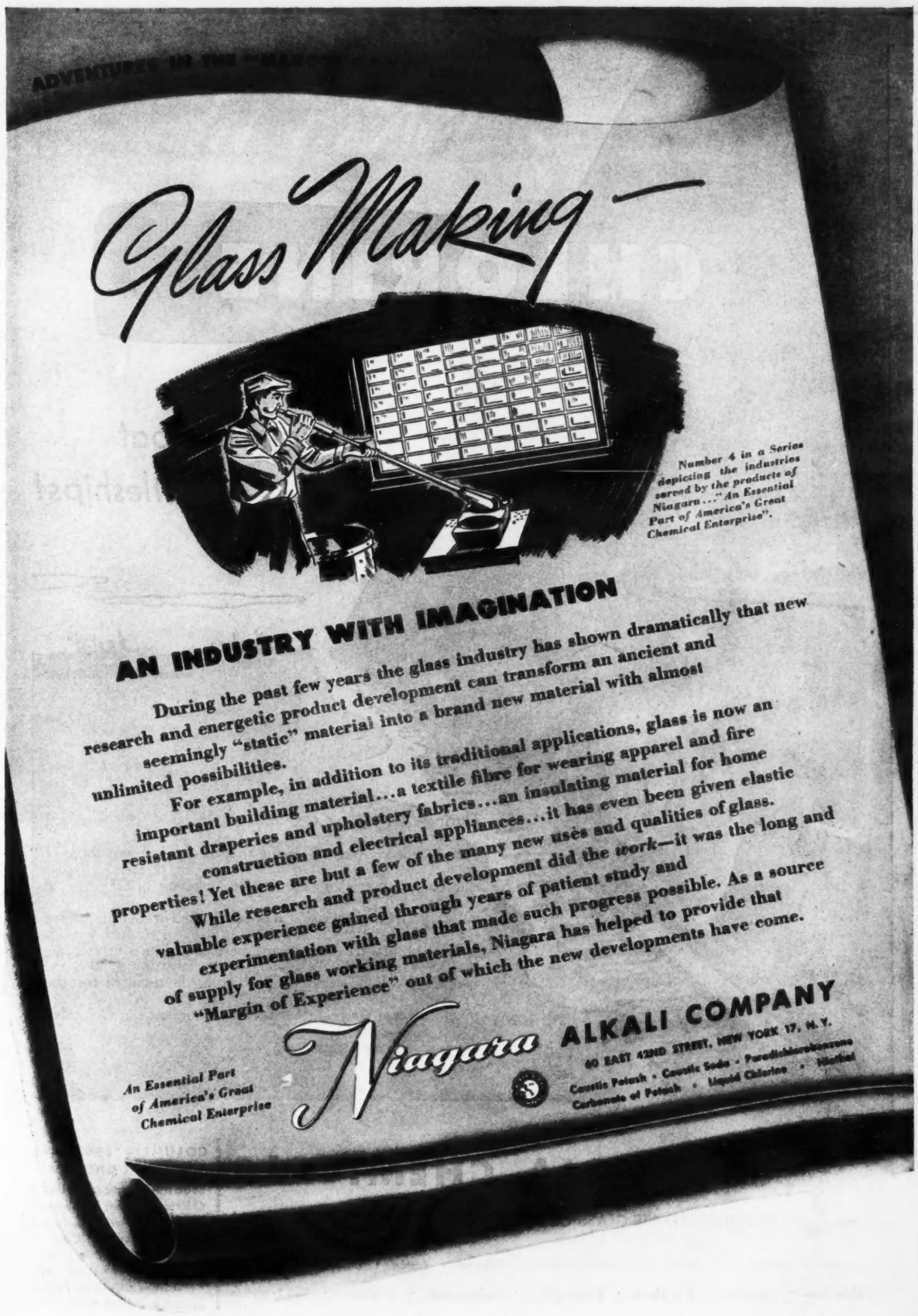
BRANCHES IN PRINCIPAL CITIES

Petroleum, naphtha, cleaners, tankwagon, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 8, over 76% arom., tanks	gal.	.225 - —
No. 80, tanks, frt. alld.	gal.	.2205- —
No. 40, tanks, Wilmington, Cal.	gal.	.13½- —
No. A-80, tanks, Carteret, N. J.	gal.	.21½- —
Cincinnati, Chicago, Detroit	gal.	.23 - —
No. B-90, tanks, all shipping points	gal.	.24½- —
No. F-80, tanks, Carteret, N. J.	gal.	.23 - —
V.M.&P. at refinery, California, 46.5 254 l.p.b., 380 e.p., tanks, El Segundo	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-77, 190 l.b.p., 310 e.p., Los Angeles	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
Group 3, tanks	lb.	.07½- —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06½- —
tankwagon, Boston	gal.	.13 - —
Chicago	gal.	.1380- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1520- —
Newark (200 gals.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Solvent, rubber, at refinery, California, San Francisco,	gal.	.25½- —
East Coast, N. J., N. Y. tanks	gal.	.11 - —
Group 3, tanks	gal.	.07½- .07⅛
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks	gal.	.11 - —
East Coast, N. J., N. Y. tanks	gal.	.10 - —
Group 3, tanks	gal.	.06⅝- —
Pennsylvania, western, tanks	gal.	.07¼- .07⅛
tankwagon, Baltimore	gal.	.13 - —
Boston	gal.	.12 - —
Chicago	gal.	.13¼- —
Detroit	gal.	.1580- —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1370- —
Syracuse	gal.	.14 - —
Toluol, tanks, dlvd. E.	gal.	.27 - —
Xylol, tanks, dlvd. E.	gal.	.26 - —
Sulphonates, 68% sulphonic content, ret. dms., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.09¾- .10⅜
tanks, works	lb.	.09¼- —
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.09¾- .10⅜
tanks, works	lb.	.09¼- —
Phenobarbital, cns.	lb.	3.60 - 3.70
dms., 100 lbs.	lb.	3.50 - —
Phenol, 90-92% (cresol, 8-10%), dms., c.l., works, frt. equaid.	lb.	.10 - —
l.c.l., same basis	lb.	.10¾- —
tanks, same basis	lb.	.09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾- .10¼
l.c.l., same basis	lb.	.10¼- —
tanks, same basis	lb.	.08¾- .09¼
USP, dms., c.l., same basis	lb.	.10¼- —
l.c.l., same basis	lb.	.11¼- —
tanks, same basis	lb.	.09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 - —
smaller lots	lb.	.87 - .92
Yellow, fib. dms., 2,000 lbs.	lb.	.80 - —
smaller lots	lb.	.82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs.	lb.	.40 - —
smaller lots	lb.	.54 - —
Phenylacetaldehyde, solut., 50%, bots.	lb.	2.45 - 2.50
100%, bots.	lb.	4.00 - 5.00
Phenylethyl acetate, dms.	lb.	3.30 - 3.35
Phenylethylphenyl acetate, bots.,	lb.	4.75 - 4.80
Phenylhydrazin, base, CP, bots.	lb.	4.55 - —
Hydrochloride, CP, bots., works,	lb.	7.10 - —
commercial, kgs., works	lb.	1.75 - —
Phloroglucinol, CP., fib., dms.	lb.	13.75 -14.75
tech., fib. dms.	lb.	12.00 -12.50
Phosgene, ton lots, works	lb.	.19 - —
Phosphate, defluorinated (see under D).		
Phosphate rock,[1] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-68% b.p.l., bulk, car at mine, c.l.	long ton.	2.20 - —
70%-68%, same basis	long ton.	2.60 - —
72%-70%, b.p.l., same basis	long ton.	3.20 - —
75%-74%, b.p.l., same basis	long ton.	4.20 - —
77%-76%, b.p.l., same basis	long ton.	5.20 - —
entirely pebble, 50c. per ton higher than above prices.		
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15 - —
68%, basis 31% P_2O_5 minimum	short ton.	3.35 - —
70%, basis 32% P_2O_5 minimum	short ton.	3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% l. & s., same basis	long ton.	5.20 - —
72%-70% b.p.l., 5½% l. & s., same basis	long ton.	5.80 - —
refinery, ground, 29% P_2O_5, same basis	long ton.	4.95 - —
30%, P_2O_5, same basis	long ton.	5.15 - —
31%, P_2O_5, same basis	short ton.	5.25 - —
32%, P_2O_5, same basis	short ton.	5.50 - —
33%, P_2O_5, same basis	short ton.	6.00 - —
Phosphorus, red, amorphous, cs.	lb.	.40 - .44
tins, export	lb.	.55 - —
yellow, cns.	lb.	.23 - .25
dms., c.l.	lb.	.14½- —
Oxychloride, dms., c.l.	lb.	.10½- —
l.c.l., dms.	lb.	.12½- .15
Pentoxide, dms., c.l., wks.	lb.	.11 - .12
l.c.l., works	lb.	.13 - .14
Sesquisulphide, cs.	lb.	.38 - .42
Trichloride, dms., c.l.	lb.	.10½- —
l.c.l.	lb.	.12½- .15
Phthalamide, bbls., works	lb.	.35 - .40
kgs., works	lb.	.45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13 - —
l.c.l., same basis	lb.	.14 - —
Pichi leaves, bgs.	lb.	.07 - .08
Picoline (see Alphapicoline and Betapicoline).		
Picrotoxin, bots.	oz.	8.00 - —
Pilocarpine hydrochloride, USP, bots., vis.	oz.	3.75 - 5.10
Nitrate, bots., vis.	oz.	3.65 - 5.00
Pimento,[1] Jamaica, bgs.	lb.	.23 - .23⅛
Pinetar, retort, dms., incl., c.l., works	gal.	.31 - —
l.c.l., works, dms. incl.	gal.	.32 - —
tanks, dlvd. E.	gal.	.27 - —
Pinkroot, bls.	lb.	1.10 - 1.15
Piperazine hexahydrate, bots.	lb.	16.00 - —
Pitch, burgundy (see B).		
Coaltar, 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l., works	ton.	22.00 - —
Cottonseed, dms., works	lb.	.04 - .06
Hardwood, paper bgs., works	lb.	.03½- —
Linseed, dms.	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms.	100 lbs.	6.50 - —
stands, 200 lbs.	stand.	6.00 - —
Soybean, dms., works	lb.	.04 - .06
Plaster of paris (see Gypsum).		
Podophyllin, dms.	lb.	8.75 - 9.00
Pokeroot, bls.	lb.	.19 - .20
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32 - —
20,000 lbs., frt. alld.	lb.	.33 - —
smaller lots, frt. alld.	lb.	.34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.		
Pomegranate, root bark, bgs.	lb.	.75 - .76
Poppy flowers, bls.	lb.	.60 - .70
Seed, Canadian, Danish, bgs., futures	lb.	.38 - .39
Domestic, blue, bgs.	lb.	No stocks
Dutch,	lb.	.39 - .40
Indian, white, bgs.	lb.	No stocks
South American, bgs.	lb.	.45 - .46
Potash abietate.	lb.	.08 - —
Arsenite, USP, solut., cbys., cns.	lb.	.31 - .33
Arsenite, USP, solut., cbys., djns.	lb.	.13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.10 - .21
Bichromate,[1] bgs., c.l., works.	lb.	.10 - —
l.c.l., works	lb.	.10½- .10¾
Potash bichromate in bbls. ¼c. higher.		
Borate, gran., bbls., N. Y. or Chi.	lb.	.1015- —
Bromide, USP, gran., 500-lb. bbls., dms.	lb.	.25 - —
100-lb. kgs.	lb.	.26 - —
Carbonate, cal., bbls., c.l., works	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 53-55%, bbls., c.l., works	lb.	.05½- —
dms., l.c.l., same basis	lb.	.05¾- —
USP, gran., bbls., dms.	lb.	.14 - .20
powd., bbls., dms.	lbs.	.19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works	100 lbs.	9.31 - —
l.c.l., works	100 lbs.	9.68½- —
90% basis, liquid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.63½- —
tanks, works	100 lbs.	8.06 - —
solid, dms., c.l., works	100 lbs.	8.56 - —
l.c.l., works	100 lbs.	8.93½- —
Potash caustic, regular, flake, 88-92%, dms., c.l., works	lb.	.07 - —
l.c.l., works	lb.	.07¼- .07⅛
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.08¼- —
l.c.l., same basis	lb.	.08¼- .08½
tanks, same basis	lb.	.07¾- —
solid, 88-92%, dms., c.l., works	lb.	.06¼- —
l.c.l.	lb.	.06½- .06⅝
Chromate, bgs.	lb.	.24 - .28
Chlorate,[1] cryst., kgs., c.l., works	lb.	.11 - .11⅝
l.c.l., works	lb.	.119 - .13
powd., dms., kgs., c.l., works,	lb.	.09¾- —
l.c.l., works	lb.	.119 - .13
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 - .18
Chloride, tech., cryst., 98%, bgs., kgs.	lb.	.08 Nom.
Citrate, USP, gran., bbls., dms.,	lb.	.33½- .35½
powd., 3c. per lb. higher.		
Cyanide, dms., works	lb.	.55 - —
Fluoride, bbls.	lb.	.34 - .40
Glycerophosphate, 75% s o l., cns., cbys.	lb.	1.65 - 1.67
dms., 1,000-lb. lots	lb.	1.50 - —
100-lb. lots	lb.	1.60 - —
Guaiacolsulphonate, NF, dms.	lb.	1.05 - 1.35
Hydroxide, USP, sticks, dms.	lb.	.34 - .38
Hypophosphite, cns.	lb.	.72 - .75
Iodate, bots., 5 lbs.	lb.	3.46 - —
cns., 25 lbs.	lb.	3.35 - —
Iodide, bots., cns.	lb.	1.44 - 1.48
dms.	lb.	1.35 - 1.38
Manure Salt, 22% K_2O, Carlsbad, N. M.	unit-ton.	.20 - —
25% K_2O, same basis	unit-ton.	.21 - —


Glass Making —
Number 4 in a Series depicting the industries served by the products of Niagara . . . "An Essential Part of America's Great Chemical Enterprise".
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During the past few years the glass industry has shown dramatically that new research and energetic product development can transform an ancient and seemingly "static" material into a brand new material with almost unlimited possibilities.
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While research and product development did the work—it was the long and valuable experience gained through years of patient study and experimentation with glass that made such progress possible. As a source of supply for glass working materials, Niagara has helped to provide that "Margin of Experience" out of which the new developments have come.
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Caustic Potash • Caustic Soda • Paradichlorobenzene
Carbonate of Potash • Liquid Chlorine • Nitrited

Potash, metabisulphite, gran., bbls.	lb.	.19 -	.21
powd., bbls.	lb.	.25 -	—
Muriate, dom., 60-62-63%, K_2O, bulk, ex vessel, ports	unit-ton.	.53½-	—
granular, 50 - 52% K_2O	unit-ton.	.53½-	—

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).

Oxalate, neutral pure, gran., bbls., dms.	lb.	.37 -	.50
tech. fine gran., bbls., dms.	lb.	.28 -	.31
l.c.l., same basis	lb.	.20 -	—
Perchlorate, kgs., works	lb.	.09½-	.11
Permanganate, tech., dms., works	lb.	.19¾-	.20¼
USP, dms., works	lb.	.20½-	.21
Persulphate, dms., c.l., works	lb.	.16 -	—
l.c.l., same basis	lb.	.20 -	—
Prussiate, red, kgs.	lb.	.50 -	.53
Yellow, bbls.	lb.	.16 -	.17
Ricinoleate, tech., bbls.	lb.	.18 -	—
Silicate, glass, bgs., c.l., wks.	ton.	200.00 -	—
l.c.l.	100 lbs.	15.25 -	—
solution, 29° Be, ret. drums, c.l., works	100 lbs.	4.25 -	—
l.c.l., 5 or more, works	100 lbs.	5.00 -	—
1-4, works	100 lbs.	5.50 -	—
37° Be, ret. dms., c.l., wks.	100 lbs.	4.75 -	—
l.c.l., 5 or more, works	100 lbs.	5.50 -	—
1-4, works	100 lbs.	6.00 -	—
40.5° Be, ret. dms., c.l., works	100 lbs.	5.75 -	—
l.c.l., 5 or more, works	100 lbs.	6.50 -	—
1-4, works	100 lbs.	7.00 -	—

Potash, sulphate, NF, gran.	lb.	.14 -	.20
powd., bbls.	lb.	.15 -	.21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min. 50% ex vessel, Atl. or Gulf ports	ton.	36.25 -	—
Sulphocyanide, NF, dms.	lb.	.70 -	.75
Thiocyanate, bbls.	lb.	.62 -	.65
kgs.	lb.	.70 -	.75
Xanthate, dms., c.l.	lb.	.12 -	—
Potash-gold cyanide, 41% gold, bots., works	oz.	14.20 -	14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports	ton.	26.00 -	—
Potash-soda ferricyanide, kgs., works	lb.	.40 -	.45
Potash-titanium oxalate, bbls., dms.	lb.	.45 -	.50
Prickly ash bark, bls.	lb.	.23 -	.25
Berries, bgs.	lb.	.20 -	.21
Prince's pine herb, bls.	lb.	.60 -	.61
Procaine hydrochloride, cns., 100-lb. lots	lb.	4.00 -	—
smaller lots	lb.	4.25 -	4.75
Propane,[1] industrial grade, tanks, Group 3	gal.	.03¾-	—
Propyleneglycol, dms., c.l., frt. alld. in E.	lb.	.15½-	—
l.c.l., same basis	lb.	.16½-	—
tanks, same basis	lb.	.14½-	—
Psyllium seed (see Fleaseed).			
Pulsatilla, bls.	lb.	.65 -	.68
Pumice,[1] grd., fine, bgs., ton lots.	lb.	.03¾-	—
smaller lots	lb.	.03¾-	.04
coarse, 0, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03¾-	—
smaller lots	lb.	.03¾-	.04¼
Chi., ton lots	lb.	.04½-	—
Pumice in bbls. is ½c. per lb. higher.			
Pumpkin seed, bgs.	lb.	No stocks	
Purple lake (see Red).			
Putty, com'l, dms.	100 lbs.	3.15 -	—
linseed oil, raw, dms.	100 lbs.	5.00 -	—
refined, dms.	100 lbs.	5.50 -	—
standard, dms.	100 lbs.	4.20 -	—

Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, bbls., works	lb.	9.25 -	9.50
liquid (20 to 1), basis 2 grams pyrethrins for 100 cc., bbls., works	gal.	7.15 -	—
(20 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works	gal.	10.65 -	—
Flowers, coarse-grd., 0.9% pyrethrins, bbls., works	lb.	.31½-	—
fine-grd., 0.9% pyrethrins, bbls., works	lb.	.33¾-	—
powder, 0.5% pyrethrins, bbls., works	lb.	.25 -	—
Pyridin, denaturing, ret. dms., works, frt. equald.	gal.	1.55 -	1.60
refd., 2°, ret. dms., same basis	lb.	.45 -	.45½
Pyrites, Spanish, c.i.f. Atl. ports	long ton.	8.00 -	10.00
Pyrocatechin (see Catechol).			
Pyronate, dms., works	gal.	.75 -	1.25
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines	ton.	10.00 -	11.50
325 mesh, same basis	ton.	13.00 -	15.00
No. 3, 200 mesh, c.l., mines	ton.	9.50 -	—
325 mesh, same basis	ton.	11.50 -	—
Pyrophyllite in paper bgs., $1.50 per ton extra.			
Pyroxylin, transparent, cs., wks.	lb.	.19 -	—
black, cs., works	lb.	.17 -	—
China, white ivory, cs., works	lb.	.17 -	—
dense, white, cs., works	lb.	.17 -	—
gray, cs., works	lb.	.17 -	—
mixed, mottled, cs., wks.	lb.	.14 -	—
translucent pastels, cs., wks.	lb.	.17 -	—
transparent, cs., works	lb.	.19 -	—
colors; cs., works	lb.	.17 -	—
shavings, amber, cs., works	lb.	.17 -	—
mixed colors, cs., works	lb.	.14 -	—
white, cs., works	lb.	.17 -	—

Q

Quassia chips, bls.	lb.	.06 -	.06
Quebracho extract,[1] solid, 62%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account	lb.	.05½-	.05¾
clarified, 64%, bgs., c.l., same basis	lb.	.06½-	.06¾
dissolved, 35%, tan., bbls., works	lb.	.04575-	.0595
tanks, works	lb.	.04075-	—
ground, 70%, bgs., c.l.	lb.	.069 -	—
l.c.l., bgs.	lb.	.0915-	—
Queen of the meadow root, bgs.	lb.	.11 -	.12
Quercitron, crystals, bbls.	lb.	.26 -	—
extract, bbls., No. 1	lb.	.19 -	—
No. 2	lb.	.09½-	—
No. 3	lb.	.09 -	—
solid, bxs.	lb.	.18½-	—
Quicksilver, flasks (76 lbs. net)	flask.	108.00-	113.00
Quince seed, bgs.	lb.	1.50 -	1.75
Quinidine,[6] NF V, crystl., cns.	oz.	No stocks	
powd., precip., cns.	oz.	No stocks	
Sulphate, USP, cns.	oz.	No stocks	
Quinine,[6] NF, cns., 100 ozs.	oz.	No stocks	
Acetate, cns., 100 ozs.	oz.	No stocks	
Arsenate, cns., 100 ozs.	oz.	No stocks	
Arsenite, cns., 100 ozs.	oz.	No stocks	
Bisulphate, USP, cns., 100 ozs.	oz.	No stocks	
Dihydrobromide, bots., 50 ozs.	oz.	No stocks	
Citrate, cns., 100 ozs.	oz.	No stocks	
Ethylcarbonate, USP, cns., 100 ozs.	oz.	No stocks	
Ferrocyanide, cns., 100 ozs.	oz.	No stocks	
Formate, cns., 100 ozs.	oz.	No stocks	
Glycerophosphate, cns., 100 ozs.	oz.	No stocks	
Hydrochloride, USP, cns., 100 ozs.	oz.	.80½-	—
Hydrochlorosulphate, cns., 100 ozs.	oz.	No stocks	
Hydroiodide, cns., 100 ozs.	oz.	No stocks	
Hypophosphite, cns., 100 ozs.	oz.	No stocks	
Phosphate, NF, cns., 100 ozs.	oz.	No stocks	
Salicylate, NF, cns., 100 ozs.	oz.	No stocks	
Sulphate, USP, cns., 100 ozs.	oz.	.80½-	—
Sulphocarbolate, cns., 100 ozs.	oz.	No stocks	
Tannate, USP X, cns., 100 ozs.	oz.	No stocks	
Tartrate, cns., 100 ozs.	oz.	No stocks	
Valerate, NF IV, 100 ozs.	oz.	No stocks	
Quinine-urea hydrochloride,[6] USP, cns.	oz.	No stocks	
Quinoline, dms., c.l., works	lb.	.24½-	.50

R

R salt, dry, bbls.	lb.	.65 -	—
paste, dms.	lb.	.52 -	—
Raspberries, dried, bls.	lb.	1.65 -	1.70
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.10 -	1.30

Prices ½c. per lb. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¾c.) (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher dlvd. Pacific Coast prices equaled with Chicago dlvd. Denver, Pueblo, Salt Lake City, Wichita.

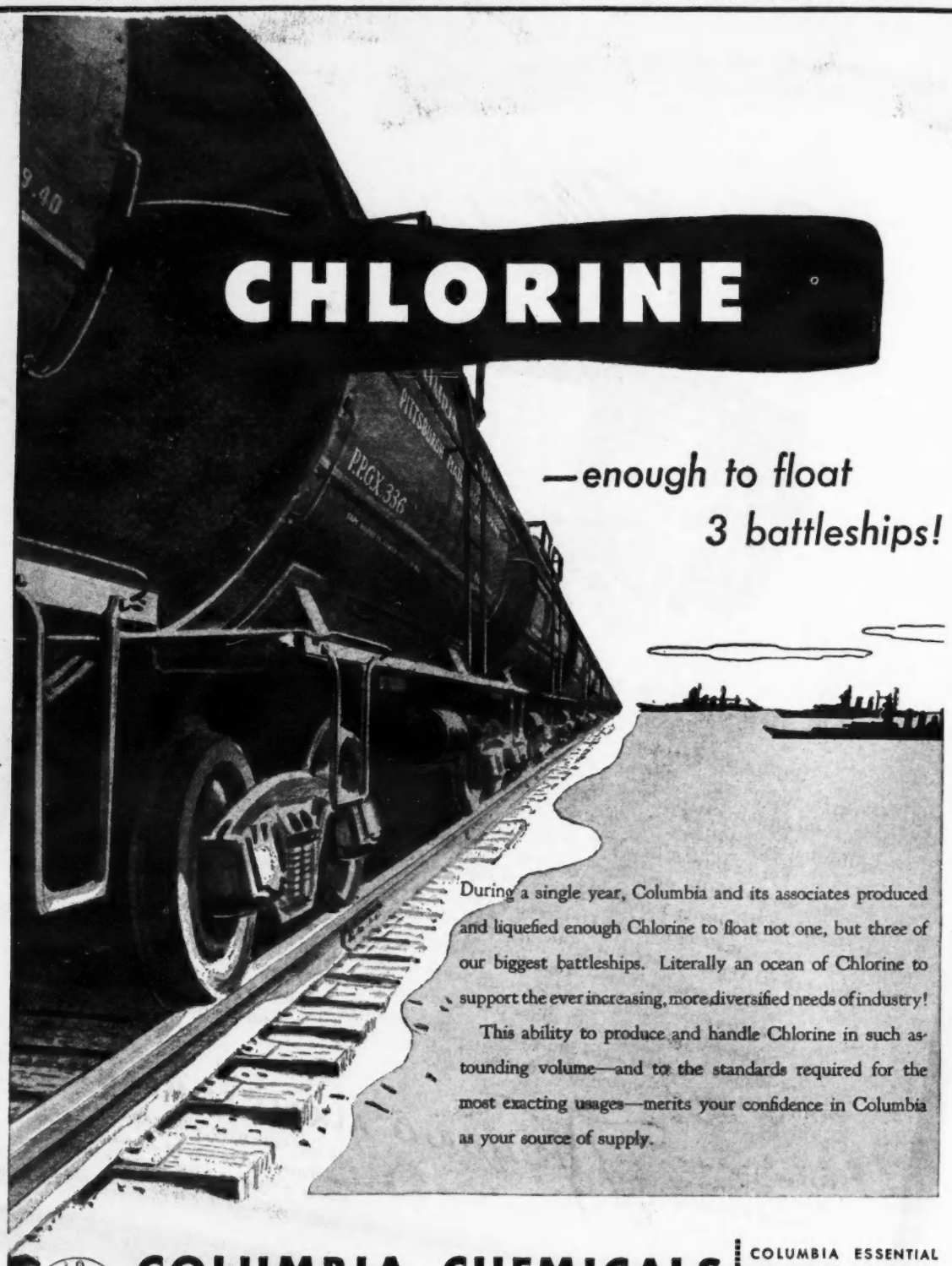
Cadmium lithopone, deep shade, bbls., E. Rockies	lb.	1.00 -	—
light shade, bbls., same basis	lb.	.85 -	—
medium shades, bbls., same basis	lb.	.80 -	—

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.

Selenide, dark, bbls., works	lb.	2.50 -	—
light, same basis	lb.	2.20 -	—
Orange (see Orange).			
Carmine, No. 40, dms., 100-lb. lots, works	lb.	4.60 -	—
smaller lots, same basis	lb.	4.75 -	5.25
Crocus Martis (see Red, purple oxide).			
Dyes (see Dyes, coaltar).			
Eosin toner, bbls., works	lb.	1.85 -	—
Firetoner, dom., bbls., works	lb.	.85 -	—
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.09¼-	—
80-85%, bbls., same basis	lb.	.09¾-	—
imp., English, all shades	lb.	.12 -	—
Iron oxide, pure, bbls.	lb.	.09 -	.09¾
reduced, 85% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis	lb.	.06¾-	—
80% copperas oxide, bbls., same basis	lb.	.065 -	.094
Lacquer, maroon, bbls., wks.	lb.	1.25 -	—
Lake C toner, alizarin, bbls., works	lb.	.90 -	—
Lithol toner, alizarin, lake, bbls., works	lb.	.99 -	—
Pink, bbls., works	lb.	.20 -	.25
Rose lake, bbls., works	lb.	.25 -	.30
Lithol-rubin toner, alizarin lake, bbls., works	lb.	1.10 -	—
Maroon, alizarin lake 25% kgs., works	lb.	.40 -	—
Cadmium, bbls., works	lb.	1.10 -	—
deep, bbls., same basis	lb.	1.20 -	—

Maroon, in smaller pkgs., 5c. per lb. higher.

Mercury oxide, tech., bbls., 10,000 lbs., works	lb.	2.60 -	—
smaller lots, works	lb.	2.62 -	—
Metallic, bbls., works	lb.	.62 -	—
Oxide (see Red, iron oxide).			
Para toner, concent., alizarin lake, kgs., works	lb.	.70 -	—
Persian (see Orange).			
Phloxin toner (see Red, eosin toner).			
Phosphotungstic, rhodamine, Y, kgs., works	lb.	4.15 -	—
Purple lake, kgs.	lb.	1.00 -	—
Scarlet ink toner, kgs., works.	lb.	.55	Nom.
Spanish oxide, grade 1, c.l., bbls.	lb.	.04¾-	.07¾
Toluidin toner, alizarin lake, kgs., works	lb.	1.05 -	—
MNPT maroon toner, kgs., works	lb.	3.25 -	—
Turkey, bbls., works	lb.	.14½-	—
Tuscan, bbls., E. St. L.	lb.	.11 -	—
Venetian, 5%, bbls., wks.	lb.	.0220-	—
10%, bbls., works	lb.	.0245-	—
15%, bbls., works	lb.	.0265-	—
20%, bbls., works	lb.	.029¾-	—
25%, bbls., works	lb.	.03 -	—
30%, bbls., works	lb.	.03¼-	—
35%, bbls., works	lb.	.0360-	—
40%, bbls., works	lb.	.04 -	—
Vermilion, Amer., bbls.	lb.	.25 -	.40
Quicksilver, bbls.	lb.	2.50 -	2.65
Red precipitate, NF, powd., fib. dms.	lb.	2.77 -	2.79
Red saunders wood grd., bbls.	lb.	.35 -	—



During a single year, Columbia and its associates produced and liquefied enough Chlorine to float not one, but three of our biggest battleships. Literally an ocean of Chlorine to support the ever increasing, more diversified needs of industry!

This ability to produce and handle Chlorine in such astounding volume—and to the standards required for the most exacting usages—merits your confidence in Columbia as your source of supply.

COLUMBIA CHEMICALS

PITTSBURGH PLATE GLASS COMPANY • COLUMBIA CHEMICAL DIVISION

GRANT BUILDING, PITTSBURGH 19, PENNSYLVANIA • Chicago • Boston • St. Louis • Pittsburgh

New York • Cincinnati • Cleveland • Philadelphia • Minneapolis • Charlotte • San Francisco

COLUMBIA ESSENTIAL INDUSTRIAL CHEMICALS

Soda Ash • Caustic Soda • Liquid Chlorine • Sodium Bicarbonate • Pittchlor • Silene EF (Hydrated Calcium Silicate) • Calcium Chloride • Soda Briquettes • Modified Sodas • Caustic Ash • Phosflake • Calcene T (Precipitated Calcium Carbonate)

Resorcinol, tech., dms., works..lb. .64 - .74
USP, cryst., dms., frt. alld..lb. 1.60 - —
Rhatany root, bgs.....lb. .15 - .16
Rhubarb, whole, cs.....lb. .42 - .45
powd., bbls.....lb. .44 - .46
Riboflavin, bots.....klg.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif., seller's option. lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - .46
Rose flowers, pale, bls.....lb. .55 - .56
Rosemary flowers, bls.....lb. 1.65 - 1.65
Leaves, Portuguese, bls.....lb. .11 - .11½
Spanish, bls.....lb. .13½- .14½
Rosin, gum,[1,7]—
B, dms., c.l.....100 lbs. 6.68 - —
D, dms., c.l.....100 lbs. 6.75 - —
E, dms., c.l.....100 lbs. 7.28 - —
F, dms., c.l.....100 lbs. 7.36 - —
G, dms., c.l.....100 lbs. 7.42 - —
H, dms., c.l.....100 lbs. 7.44 - —
I, dms., c.l.....100 lbs. 7.44 - —
K, dms., c.l.....100 lbs. 7.48 - —
M, dms., c.l.....100 lbs. 7.50 - —
N, dms., c.l.....100 lbs. 7.60 - —
W.G., dms., c.l.....100 lbs. 7.91 - —
W.W., dms., c.l.....100 lbs. 8.18 - —
X, dms., c.l.....100 lbs. 815 - —
Wood,[1,7] B (resin), dms., c.l., works..100 lbs. 8.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works... 100 lbs. 5.40 - —
Rotenone,[1] bbls., works.....lb.10.90 -13.50
extract, liq., dms., works.... per unit. 1.05 - -
powder (see Cube root).
Rottenstone,[1] bgs., c.l., mines.. ton.25.50 - -
l.c.l., mines.....ton.37.50 - -
Rue, bls.....lb. .42 - .5

S

Sabadilla seed, powd., bbls....lb. .40 - .4
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.3
smaller lots.....lb. 1.40 - 1.6
Saffron, Mexican, bls.....lb. 1.20 - 1.3
Persian, tins.....lb.48.00 - -
Spanish, NF, tins.....lb.35.00 -37.0
Safrol, cns.....lb. .90 - .9
Sage, Calif., leucophylla, bgs., Pacific coast..lb. .30 - .3
Dalmatian-type, No. 1, bgs., Pacific coast..lb. .95 - .9
Cyprus, good, bls.....lb. No stock
fair, bls., futures.....lb. .18½- .1
Greek, bls.....lb. .27 - .2
Palestine, bls.....lb. .16 - .1
Spanish, bls.....lb. .17½- .1
Washington, Dalmatian - type, bls..lb. .65 - .6
Sage flour, bgs.....lb. .05 - .0
Salicin, bots., 5 lbs.....lb. No stock
cns., 25 lbs.....lb. No stock
Saliganin, dms.....lb.15.00 -20.0
Salol, gran., bbls., kgs.....lb. .90 - -
fib. dms.....lb. .92 - .9
Powdered salol, 10c. higher.
Washington, bls., futures, source lb. .70 - .7
Salt, rock, bgs., c.l.....ton.14.20 - -
l.c.l., bgs.....ton.17.20 -18.0
vacuum, common, fine, bgs., c.l..ton.15.70 - -
l.c.l. .....ton.19.60 -23.2
Saltcake, dom., bulk, works..ton.15.00 - -
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - -
smaller lots.....100 lbs. 8.35 - 8.6
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - -
smaller lots.....100 lbs. 9.35 - 9.6
Sanguinarine nitrate, bots.....oz. 3.75 - -
Santonin, cryst., powd., cns.kilo.170.00-175.
Saponin, No. 1, cns.....lb. 1.75 - 1.9
No. 2, cns.....lb. 1.40 - -
Sarsaparilla root, dom., bls..lb. .35 - .3
Honduras, bls.....lb. .45 - .4
Mexican, bls.....lb. .22 - .2
Sassafras bark, ordinary, bls.. lb. .40 - .4
Sassafras bark, ord., bls.....lb. .40 - .4
select, bls.....lb. .60 - .6
Savory, Calif., bls.....lb. .75 - .7
Spanish, bls.....lb. .22½- .2
Saw palmetto berries, bgs....lb. .20 - .2
Scammony resin, lump, cns...lb. 1.30 - -
powd., cns.....lb. 1.35 - -
Root, bgs.....lb. .09 - .1
Schaeffer's salt, bgs.....lb. .46 - -
Scullcap, Eastern, bls.....lb. .60 - .6
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .33½- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34½- —
smaller lots.....lb. .34½- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots.....lb. 1.75 - —
Senega root, bls.....lb. 2.45 - 2.50
Senna, Alex., half-leaf, bls....lb. .19 - .22
siftings, bgs.....lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .17 - .17½
2, bls.....lb. .15 - .15½
3, bls.....lb. .14 - .15
powd., bbls., bgs.....lb. .15 - .17
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. 1.50 - 1.60
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston .....lb. .43½- —
Chicago .....lb. .44 - —
Pacific coast.....lb. .46 - —
refined, bbls., 1,500-lb. lot..lb. .42½- —
Boston .....lb. .49½- —
Chicago .....lb. .50 - —
Pacific coast.....lb. .52 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 2c. more.

D. C., V.S.O., Diamond I, 100 bgs..lb. .4060- —
Garnet, 100 bgs.....lb. .3990- —
Superfine, 100 bgs., Boston, N. Y..lb. .3960- —
Chicago .....lb. .3710- —
Pacific coast.....lb. .3960- —
TN, 100 bgs., Boston, N.Y...lb. .3550- —
Chicago .....lb. .3600- —
Pacific coast.....lb. .3805- —

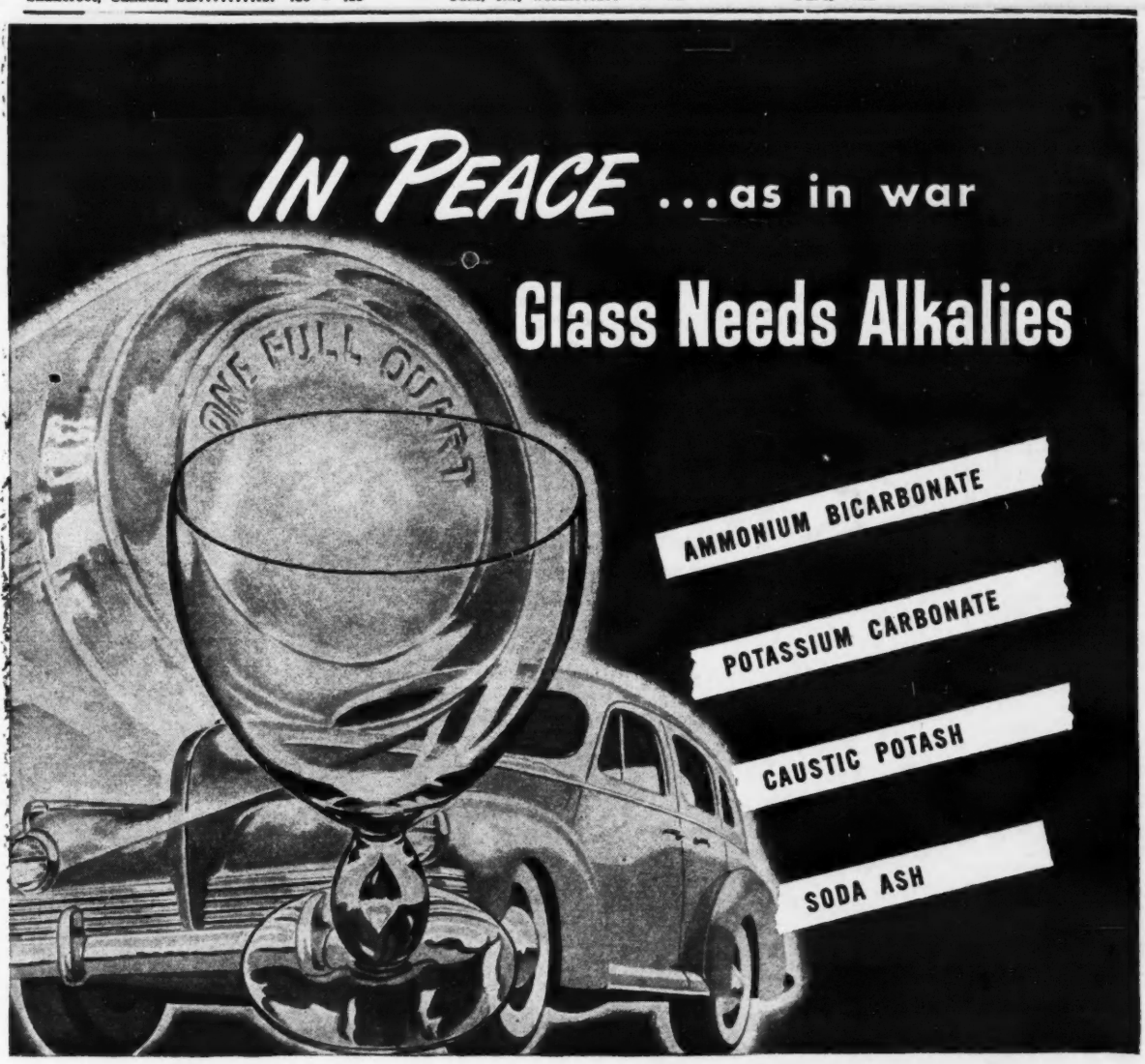
Shellac in cs., 2c. higher. Shellac sales 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. o cs., 2c. more; 10 to 99 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works.....ton.20.00 - —
400 mesh, bgs., c.l., works.. ton.18.00 - —
l.c.l., works.....ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works. ton.30.60 - —
l.c.l., works.....ton.35.00 -38.00
96%-98%, 325 mesh, bgs., c.l., wks..ton.20.00 - —
l.c.l., works.....ton.21.50 -25.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.22.00 -25.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works.....ton.18.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .18½- .27
Silver bullion.....oz. .71111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots.....oz. .47½- —
smaller lots.....oz. .47½- .47¾
Nucleinate, USP, bots., dms.. oz. .308 - .358
Proteinate, USP, bots., dms.oz. .288 - .338
Simarubra bark, bls.....lb. .55 - .60
Skunk cabbage root, bls.....lb. .25 - .30
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .40 - .41
Smalt, black, ctns.....lb. .05 - .06
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .30 - .35
Soapbark, bls.....lb. .15 - .16
crushed, bls., bbls.....lb. .18 - .19
cut, dom., bls., bbls.....lb. .20 - .21
imp., bbls.....lb. No stocks
powd., bbls.....lb. .21 - .22
Soda acetate, anhyd., dms., divd. lb. .08½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 60%, l.c.l., divd.....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate, for water treat., bgs., c.l., works..100 lbs. 7.50 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.00 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., divd.....lb. .16 - .16½
Arsenate, dms., dealers, c.l., works..lb. .09¼- —
l.c.l., works.....lb. .10¾- .11¼
Arsenite, gray, dms., dealers, c.l., works..lb. .08¼- —
l.c.l., works.....lb. .09 - .10

Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., divd.. zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, Zone 1, 100 lbs. 1.35 - —
l.c.l., zone 1.....100 lbs. 1.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
Soda ash, extra, light, 58%, bgs., c.l..100 lbs. 1.18 - —
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., divd., zone 1..... 100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.15
l.c.l., divd., zone 1..... 100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.36 - —
l.c.l., divd., zone 1..... 100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100°, S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.



Thermal and impact resistance, glare proof, improved toughness and elasticity, fibers thinner than hair . . . these are the beneficial features that will make peacetime glass more versatile. Alkalies and related products will contribute in some measure to the new characteristics of glass . . . demonstrating that in peace, as in war, alkalies are indispensable!

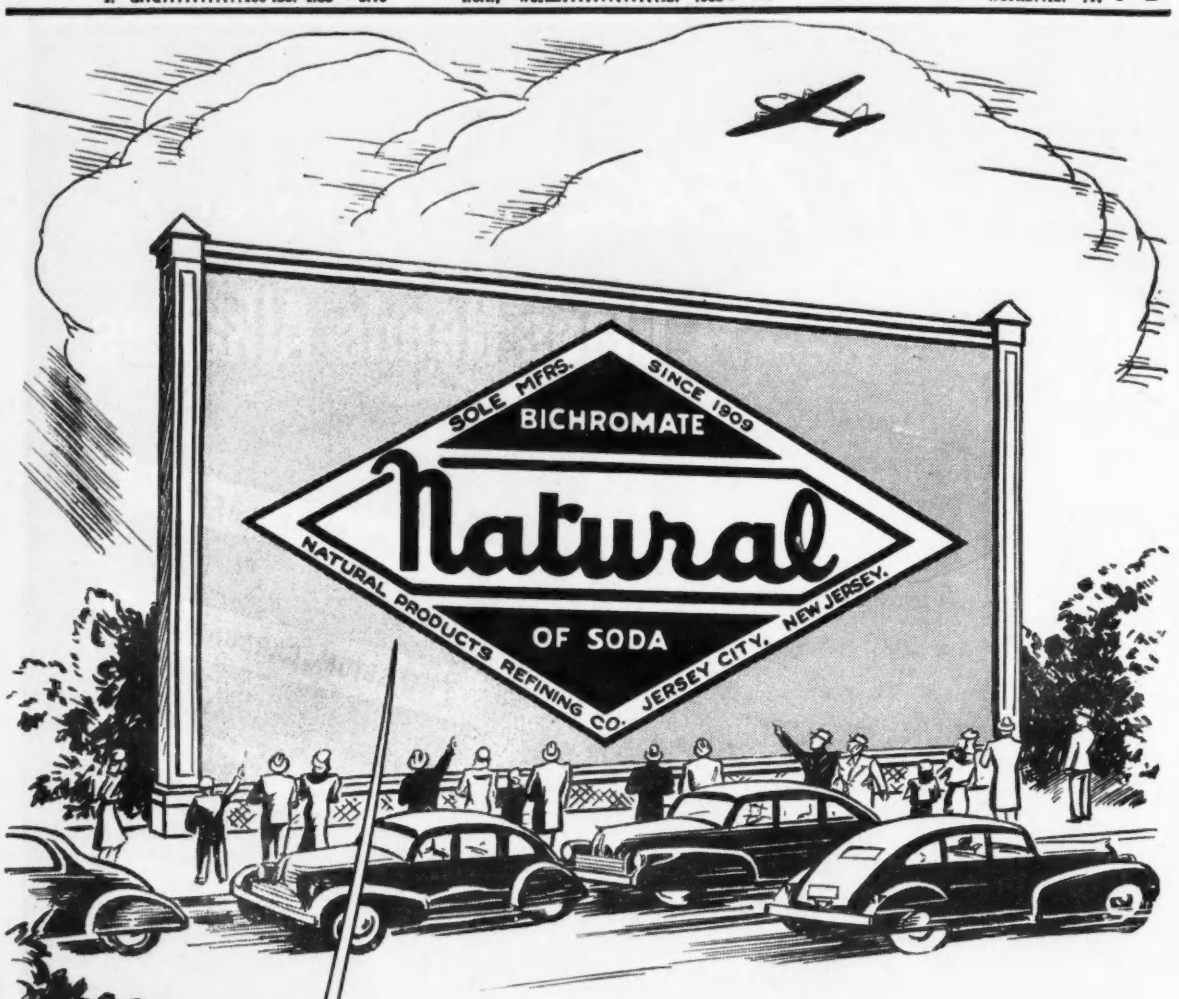
SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company*

Soda benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots.....lb. .40 - .41
USP, dms., 2 tons or more..lb. .46 - —
smaller lots.....lb. .47 - .52
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l .....100 lbs. 2.45 - —
Bichromate,[1] bgs., c.l., works, lb. .07¾- —
l.c.l., works.....lb. .07¾- .06½
Soda bichromate in bbls. ½c. higher.
Bifluoride, bbls., c.l., frt. alld. E..lb. .11½- —
l.c.l., same basis.....lb. .12 - .14
kgs., same basis.....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
42°, bbls. c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber drms., 100 lbs., works, lb. .26 - —
Cacodylate, bots., drms.....lb. 9.00 -12.90
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, drms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd.100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.05
3, dlvd.....100 lbs. 3.95 - 5.30
4, dlvd.....100 lbs. 4.35 - 5.70

Soda caustic, liquid, 47-49%, buyer's tanks, works.... 100 lbs. 1.92½- —
seller's tanks, works. 100 lbs. 1.95 - —
70%, buyer's tanks, works. 100 lbs. 1.97½- —
seller's tanks, works. 100 lbs. 2.00 - —
solid, 76%, drms., c.l., works. 100 lbs. 2.30 - —
l.c.l., Zone 1, dlvd. 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash.
Chlorate, cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chloride (see Salt).
Chromate, 1,[2] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equald..lb. .09½- .09¾
Soda chromate in bgs. is ½c. lower.
Citrate, USP VIII, bbls.....lb. .18¼- —
drms. .....lb. .19½- .22½
USP XII, gran., bbls.....lb. .24 - —
drms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
drms. .....lb. .25½- .29½
Cyanide, 96-98%, drms.....lb. .14½- .15
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09¼- .10½
anhydrous, drms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls. c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —

Soda glutamate, monobasic, kgs. lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
drms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .18 - —
Hydroxide, USP, sticks, drms.lb. .24 - .26
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea, cryst., bgs., c.l., works.. 100 lbs 2.60 - —
Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, drms., 50c. higher.
USP, cryst., bbls.....lb. .10 - .12
Iodate, drms., jars.....lb. 5.40 - 5.46
Iodide, bots.....lb. 2.33 - 2.37
drms., jars.....lb. 2.42 - —
Mandelate, drms.....lb. 3.25 - 3.26
Metaborate, gran., bbls., c.l., dlvd..lb. .0485- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs, c.l., dlvd.....lb .0435- —
l.c.l., N. Y., or Chi....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., drms., c.l., works, frt. equald.... 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l, works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 3.30 - 3.55
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
drms., works.....lb. .45 - .60
Molybdate,[1,4] anhyd., kgs., works..lb. .47 - —

Soda monohydrate, bgs., c.l.. 100 lbs. 2.20 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd, gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06%- —
west coast ports..100 lbs. 8.00 - 8.05
l.c.l., dlvd.....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., drms., c.l., works, frt. equald.. 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, drms., c.l, works100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquete, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l, works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald..lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works.....lb. .15½- —
Peroxide, drms., c.l., dlvd., E. of Miss..lb. .14 - —
smaller lots.....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works, 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., drms., works..lb. .159 - —
Monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs 7.65 - 9.00
tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.05
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., works.... 100 lbs. 2.70 - —
l.c.l., same basis..100 lbs. 3.10 - —
kgs., c.l., works....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 3.80 - —
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic).
Prussiate, yellow, bgs.....lb. .10%- —
bbls. .....lb. .11 - —
Pyrophosphate, tetra-basic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, drms.....lb. .52 - .54
Sesquicarbonate, bgs., c.l., wks. 100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd.....100 lbs. 2.85 - —
3, dlvd.....100 lbs. 3.10 - —
4, dlvd.....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, drms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd.....100 lbs. 4.05 - 4.30
Silicate, 40°, turbid, spot, drms., c.l., works..100 lbs. .80 - —
l.c.l., works.....100 lbs. 1.05 - 1.20
tanks, works.....ton.13.00 - —
52°, drms., c.l., works..100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - 1.80
tanks, works.....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb .06½- .07
l.c.l., works.....lb. .08 - .10
Stannate, drms., works, frt. alld. E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .24
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¼
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.10
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., wks. 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.00
Sulphocarbolate, USP IX, gran., bbls., drms..lb. .28 - .33
powd., bbls.....lb. .30 - .35
Sulphocyanide, CP, drms.....lb. .55 - .65
Sulphohydrate, liquid, 86%, drms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works.....lb. .08 - —
tanks, 100% basis, works. lb. .03¾- —
flake, 70-72%, drms., c.l., works..lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[5] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[1,6] tech., kgs.....lb. 1.35 - 1.50
Soda-cinchophen, bots., drms...lb. 3.75 - 3.85
Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, drms..lb.10.50 -10.60
Soda-sulphamerazin, drms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., drms..lb. 5.00 - 5.80
Soda-sulphathiazole, USP, drms., lb. 2.50 - 2.80
Solvent naphtha, drms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash, drms., works...gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire enamel, ret. drms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots, works.....lb. .20½- .24



Sign of the Times!

BICHROMATE OF SODA

Crystals — Granular

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BICHROMATE OF POTASH

Crystals— Granular

"BUY CROW-MATES"

NATURAL PRODUCTS REFINING CO.

904 GARFIELD AVE., JERSEY CITY 5, N. J.

Sorbitol, com'l, dms., c.l., works, lb.	.16¾-	—
l.c.l., works, lb.	.17¾-	—
Spartejne sulphate, bots., cns., oz.	2.25 -	2.95
Spearmint leaves, bls., lb.	.48 -	.49
Spikenard root, bls., lb.	.48 -	.49
Spruce extract, liq., reg., bbls., c.l., works, lb.	.02½-	—
tanks, works, lb.	.01½-	—
pwd., super, bgs., c.l., wks., lb.	.04½-	—
Squaw vine, bls., lb.	.53 -	.55
Squill, red, fortified, powd., bbls., bxs., lb.	1.60 -	—
White, bls., lb.	.11 -	.12
powd., bbls., bxs., lb.	.16 -	.20
St. Ignatius beans, bgs., lb.	No stocks	
St. John's bread, edible, bls., lb.	.10¾-	.11¼
Starch, corn, pearl, bgs., 100 lbs.	4.28 -	—
Chicago, 100 lbs.	3.72 -	—
powd., bgs., 100 lbs.	4.19 -	—
Chicago, 100 lbs.	3.63 -	—
Potato, bgs., c.l., lb.	.0637-	—
l.c.l., lb.	.0712-	—
Rice, bgs., c.l., lb.	No stocks	
Sweetpotato, bgs., lb.	No stocks	
Wheat, thick boil, bgs., lb.	.05 -	—
Starch, iodide, bots., lb.	1.87 -	—
Stearin, oleo (see Oleostearin).		
Stillingia root, bls., lb.	No stocks	
Stoneroot, bls., lb.	.07½-	.08
Storax, cs., lb.	1.15 -	1.40
Stramonium leaves, bgs., lb.	.21 -	.23
Seed, bgs., lb.	.20 -	.21
Strontium bromide, cns., dms., lb.	.53 -	.55
Carbonate, 90%, bbls., lb.	.14 -	.16
98%, bbls., lb.	.23 -	.25
Chloride, tech., bbls., lb.	.22 -	.24
Chromate, bbls., kgs., Phila., lb.	.35 -	.37
Iodide, bots., lb.	3.06 -	3.15
jars, 25 lbs., lb.	3.00 -	—
Lactate, dms., lb.	1.30 -	1.35
Nitrate, bbls., c.l., works, lb.	.07¾-	—
l.c.l., works, lb.	.08¼-	.08¾
Oxalate, bbls., works, lb.	.38 -	.40
Salicylate, NF, dms., lb.	1.10 -	1.13
Sulphate, nat., air-floated, 325 mesh 90%, bbls., works, ton.	58.00 -	—
Strontium-calcium sulphide, phosphorescent, dms., works, lb.	2.50 -	2.85
Strophanthin, bots., oz.	30.00 -	50.00
Strophanthus seed, Kombe, bgs., lb.	2.65 -	2.70
Strychnine, NF, cryst., cns., 100 ozs., oz.	.70 -	—
powd., cns., 100 ozs., oz.	.60 -	—
Acetate, cns., 100 ozs., oz.	.88 -	—
Arsenate, cns., 100 ozs., oz.	.91 -	—
Arsenite, cns., 100 ozs., oz.	.88 -	—
Glycerophosphate, cns., 100 ozs., oz.	.89 -	—
Hydrochloride, cns., 100 ozs., oz.	.88 -	—
Hypophosphite, cns., 100 ozs., oz.	1.00 -	—
Nitrate, NF, cns., 100 ozs., oz.	.82 -	—
Phosphate, NF, cns., 100 ozs., oz.	.89 -	—
Sulphate, USP, cryst., cns., 100 ozs., oz.	.53 -	—
powd., cns., 100 ozs., oz.	.48 -	—
Styrolyl acetate, bots., lb.	2.50 -	3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works, lb.	.43 -	—
tech., bbls., l.c.l., works, lb.	.40 -	—
Sugar coloring (see Caramel coloring).		
Sugar of milk (see Milk sugar).		
Sulphadiazine, USP, dms., lb.	9.00 -	9.10
Sulphaguanidin, dms., lb.	4.50 -	4.60
Sulphamerazin, dms., lb.	9.00 -	9.10
Sulphanilamide, USP, bots., lb.	1.50 -	—
fib. dms., lb.	1.05 -	1.25
Sulphanilamide, 30-60 mesh, 10c. higher.		
Sulphapyridin, powd., bots., tins, lb.	5.00 -	5.30
Sulphathiozole, dms., lb.	2.50 -	2.60
Sulphonethylmethane, kgs., lb.	6.75 -	6.95
Sulphonmethane, kgs., lb.	5.25 -	5.35
Sulphur, crude, c.l., bulk, mines, contract, long ton.	16.00 -	—
vessels, Gulf ports, contract, long ton.	17.50 -	—
flour, comm'l, 99½%, bgs., c.l., works, 100 lbs.	1.65 -	—
l.c.l., works, 100 lbs.	2.00 -	2.11
precipitated, USP, bbls., kgs., lb.	.18 -	.30
refined, flour, extra fine, bgs., c.l., works, 100 lbs.	2.90 -	—
l.c.l., works, 100 lbs.	3.25 -	3.40
heavy, bgs., c.l., works, 100 lbs.	2.60 -	—
l.c.l., works, 100 lbs.	2.95 -	3.10
flour, light, bgs., c.l., works, 100 lbs.	2.70 -	—
l.c.l., works, 100 lbs.	3.05 -	3.20
flowers, USP, bgs., c.l., wks., 100 lbs.	3.05 -	—
l.c.l., works, 100 lbs.	3.40 -	3.55
Refined sulphur flowers in bbls., 35c. higher.		
rock, bbls., c.l., works, 100 lbs.	2.20 -	—
l.c.l. works, 100 lbs.	2.55 -	2.70
roll, bbls., c.l., works, 100 lbs.	2.40 -	—
l.c.l., works, 100 lbs.	2.75 -	2.90
rubbermakers', bgs., c.l., wks., 100 lbs.	1.85 -	—
Sulphur chloride, 35-gal. dms., c.l., works, lb.	.03 -	.03½
l.c.l., works, lb.	.04 -	.04½
10-gal. dms., c.l., works, lb.	.07 -	.07½
l.c.l., lb.	.08 -	.08½
Dioxide, liquid, com'l, cyls., c.l., works, lb.	.07 -	—
l.c.l., lb.	.08 -	—
multi-unit cars, works, lb.	.04½-	.06
tanks, works, lb.	.04 -	—
refrigeration, cyls., l.c.l., works, lb.	.16 -	.21
Iodide, bots., jars, lb.	3.90 -	4.11
Sumac extract, No. 1, bbls., lb.	.06 -	—
No. 2, bbls., lb.	.07 -	—
stainless, bbls., lb.	.09 -	.11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto., unit-ton.	.65 -	—
Florida, unit-ton.	.51 -	.54
others, unit-ton.	.57 -	.84
Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 85½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $3.03 per ton; guaranteed 19%, 19% or 20% a.p.a., ½c. per unit-ton higher.		
triple, 40% or more, a.p.a., bulk, producing points, Florida, unit-ton.	.63 -	—
South Carolina, unit-ton.	.70 -	—
Tennessee, unit-ton.	.75 -	—
Other States and D.C., 62c. per unit-ton plus frt. charge for 46% from E. Tampa, Fla.		
Superphosphate, gran., 2c. per unit-ton higher than pulverized.		
Sweet basil, bls., lb.	1.20 -	1.30

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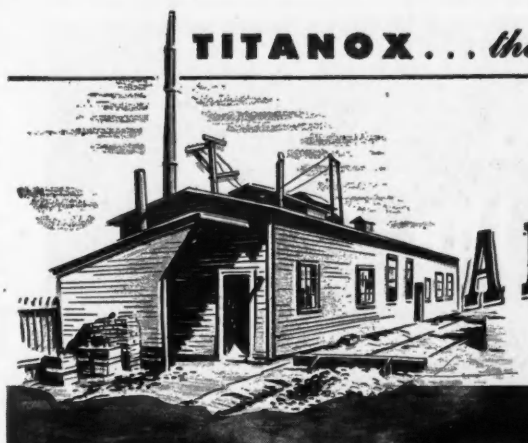
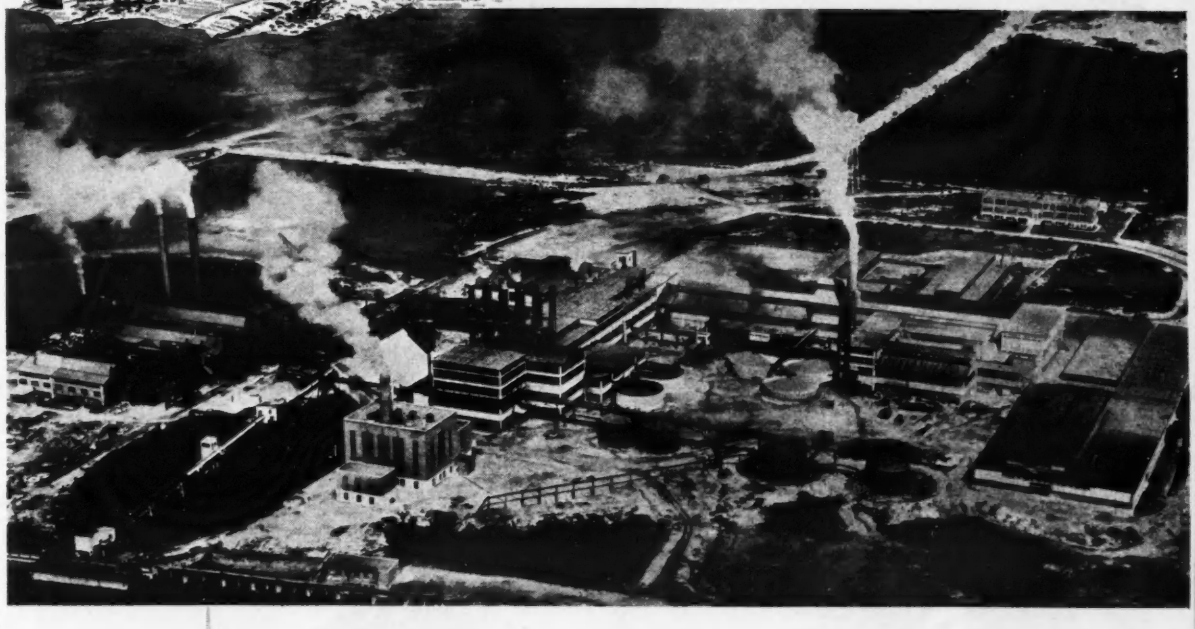
Talc,[1] dom., ordinary, grd., bgs., c.l., works, ton.	14.50	-24.00
l.c.l., works, ton.	16.50	-30.00
Calif., bgs., c.l., wks., ton.	17.50	-45.00
Pennsylvania, bgs., c.l., works, ton.	11.00	-12.50
l.c.l., works, ton.	12.00	-14.50
Talc, dom., ordinary Vermont, bgs., c.l., works, ton.	14.00 -	—
l.c.l., works, ton.	15.00 -	—
fibrous, grd., coarse, off-color, New York, bgs., c.l., works, ton.	13.00 -	—
grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works, ton.	13.00	-18.00
98 - 99.5%, bgs., c.l., works, ton.	15.25	-19.25
99.85 - 99.95%, bgs., c.l., works, ton.	17.00	-21.00
imp. Canada, bgs., c.l., ton.	24.00	-30.00
Tallow,[1,7] edible, tanks, lb.	.09½-	—
inedible, extra, loose, lb.	.08½-	—
special, loose, lb.	.06½-	—
sulphonated, 50% (42% fat), dms., c.l., lb.	.07 -	.07½
(70% fat), dms., c.l., lb.	.10 -	.10½
Tallow, sulphonated, l.c.l., ½c. higher.		
Tamarind, bbls., lb.	.13 -	.14
Tankage,[1,7] animal, feed grd., 9-12% ammon., bulk, unit-ton.	5.50 -	—
Chicago, unit-ton.	5.50 -	—
fert. grd., 9% ammon., 10% b.p.l., bulk, unit-ton.	4.00 &	.10
10-11% ammon., 15% b.p.l., bulk, Chicago, unit-ton.	4.00 &	.10
Tapioca flour,[1,8] f.o.b. Brazil, lb.	.06½-	—
delivery N. Y., lb.	.07 -	.07½
Java, bgs., lb.	No stocks.	
Tar acid oil, 15-18%, dms., c.l., works, gal.	.26½-	—
l.c.l., works, lb.	.28½-	—
25%, dms., c.l., works, gal.	.30 -	—
l.c.l., works, gal.	.32 -	—
Tar, pine (see Pinetar).		
Tara,[1] powd., c.l. ex dock, U. S. ports, long ton.	118.00 -	—
Tartagon herb, bgs., lb.	.60 -	.65
Leaves, bgs., lb.	1.20 -	1.25
Tartar emetic, tech., gran. or powd., bbls., kgs., lb.	.47¾-	.48
dms., lb.	.48½-	.51
USP, powd., bbls., dms., kgs., lb.	.52¾-	.56
Terpin hydrate, com'l, bbls., c.l., lb.	.24½-	—
l.c.l., lb.	.25 -	.28½
USP, cryst., bbls., dms., lb.	.70 -	.75
powd., bbls., dms., lb.	.75 -	.80
Terpineol, alpha (see A).		
com'l, dms., c.l., South, lb.	.13½-	—
l.c.l., South, lb.	.14 -	—
tanks, South, lb.	.13 -	—
pure, dms., lb.	.34 -	.50
Terpinglycol ether, dms. (extra), c.l., works, lb.	.19½-	—
l.c.l., works, lb.	.20 -	—
tanks, works, lb.	.19 -	—
Terpinyl acetate, extra, cns., dms., lb.	.90 -	1.15
prime, cns., dms., lb.	.75 -	1.05
Terra alba (see Gypsum).		
Tetrachloroethane, dms., works, lb.	.08 -	.08½
Tetrachloroethylene, NF VI, 55-gal. dms., works, lb.	.20 -	.21½
smaller dms., works, lb.	.23½-	.25½
tech. (see Perchloroethylene).		
Tetrallin, dms., lb.	.19 -	—
Tetrasodium pyrophosphate (see Soda pyrophosphate).		
Thallium sulphate, 90%, bots., works, lb.	12.50	Nom.
Theobromine,[1] dms., 25-lb. lots, lb.	2.60 -	—
smaller lots, lb.	2.90 -	3.00
Thiamine hydrochloride, dms., 100 grams or more, kilo.	160.00 -	—
Thiocarbanilide, dms., lb.	.24 -	—
Thiourea, CP, dms., lb.	.55 -	.56
Thorium nitrate, cs., works, lb.	2.00 -	—
Thyme, California, French type, bls., Pacific Coast, lb.	.90 -	.92
Spanish, bls., lb.	.15½-	.16
Thymol, cns., lb.	2.40 -	2.75
Iodide, dms., lb.	3.40 -	3.50
Timbo root, (see Cube root).		
Tin chloride,[6] anhydrous, lb.	No stocks	
crystals,[6] bgs., bbls., lb.	No stocks	
Metal,[1,6] lb.	.52 -	—
Bolivian, lb.	.62½-	—
Straits, lb.	No stocks	
Oxide,[1,6] bbls., lb.	.54 -	.55
Tetrachloride,[6] anhyd., dms., works, lb.	.31 -	.33
Titanium dioxide,[1] chalk resistant, bgs., c.l., dlvd., lb.	.15 -	—
l.c.l., dlvd., lb.	.15¼-	.15¾
nonchalking,[1,5] bgs., c.l., dlvd., lb.	.16½-	—
l.c.l., dlvd., lb.	.16¾-	.17¼
plain, bgs., c.l., dlvd., lb.	.14½-	—
l.c.l., dlvd., lb.	.14¾-	.15¼
Hydride, cns., works, lb.	7.00 -	8.00
Pigment, barium, base,[1,5] bgs., c.l., dlvd., lb.	.05¾-	—
l.c.l., dlvd., lb.	.06 -	—
Calcium, base,[1,5] bgs., c.l., dlvd., lb.	.05½-	—
l.c.l., dlvd., lb.	.05¾-	—
Calcium-rutile base,[1,4] bgs., c.l., dlvd., lb.	.05½-	—
l.c.l., dlvd., lb.	.05¾-	—
dlvd., lb.	.05¾-	—
l.c.l., dlvd., lb.	.06 -	—
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast ¼c. higher, c.l., dlvd., l.c.l., ex whse.		
Tetrachloride, CP, 55-gal. dms., works, lb.	.57 -	—
smaller pkgs., works, lb.	.65 -	1.20
technical, 55-gal. dms., works, lb.	.32 -	—
smaller pkgs., works, lb.	.40 -	1.00

TITANOX... *the brightest name in titanium pigments*



A NEW INDUSTRY WAS BORN



In 1914, back in the days when the guns of World War I started to boom, the first batch of Titanox-B (Titanium Barium Pigment) was turned out in a small pilot plant at Niagara Falls, New York. At that time, titanium was considered "a chemical curiosity" and a rare element.

In 1916, a factory was built in Niagara Falls for the commercial production of titanium pigments which started operation in 1918. Thus, Titanox became the original commercial titanium pigment in the United States.

The outstanding qualities of opacity, whiteness and brightness which characterized this original "curiosity" proved themselves, and the demand for Titanox pigments became so great that a second and larger factory was erected in St. Louis, Missouri, in 1923.

Later, another factory was built in Sayreville, New Jersey, where production has been going on uninterruptedly since 1935. At both the latter locations, the factories have expanded considerably to meet increasing demands for Titanox.

Today, the producers of Titanox are proud of their past untiring efforts toward supplying greater quality products and will constantly continue their efforts in this direction.

TITANOX

TITANIUM PIGMENT CORPORATION

Sole Sales Agent

111 Broadway, New York 6, N. Y.
104 South Michigan Ave., Chicago 3, Ill.
350 Townsend St., San Francisco 7, Cal.
2472 Enterprise St., Los Angeles 21, Cal.

Tolu balsam, cns.....lb. 1.85 - 1.90
Toluidin base, distilled, kgs...lb. .96 - —
Toluene (see Toluol).
Toluol (toluene) coaltar, 2° industrial, dms., returns, wks. gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
1° nitration, ret. dms., works, gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
West Minnequa, Colo..gal. .27 - —
Petroleum toluol prices, same as those for coaltar toluol.
Tonga, 50% bark and vine, bbls., lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.60 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., lots, oz. .32 - —
Triacetin, dms., works.....lb. .28 - .32
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .52 - .56
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works, lb. .75 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .06 - —
l.c.l., frt., alld.....lb. .06¼- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17 - —

Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del. Ill. Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis, Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, tech., cns. works..lb. .28 - .29½
dms, c.l., dlvd.....lb. .25 - —
l.c.l., dlvd. .....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine, dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., basis 100%, c.l., works..lb. .34 - —
l.c.l., works.....lb. .36 - —
tanks, works.....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate, bbls., c.l., frt. alld..lb. .26 - —
l.c.l., same basis.....lb. .27 - .27½

Tripoli,[1] air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root (see Cube root).
Tungsten metal, powd., 99-99.7% dms., works..lb. 2.60 - 5.40
Oxide, kgs. .....lb. No prices.
Turmeric root, Alleppey, bls., futures..lb. .18 - .18½
Haitian, bls., Miami or New Orleans..lb. .10 Nom.
Madras, bgs.....lb. .17½- .17¾
Turpentine, gum, ret. dms...gal. .93½- .94½
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East, gal. .80 - .83
tanks, East .....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .70

U

Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l. ship. pts.....ton.70.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - —
Urea-ammonia liquor (A and B), free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —

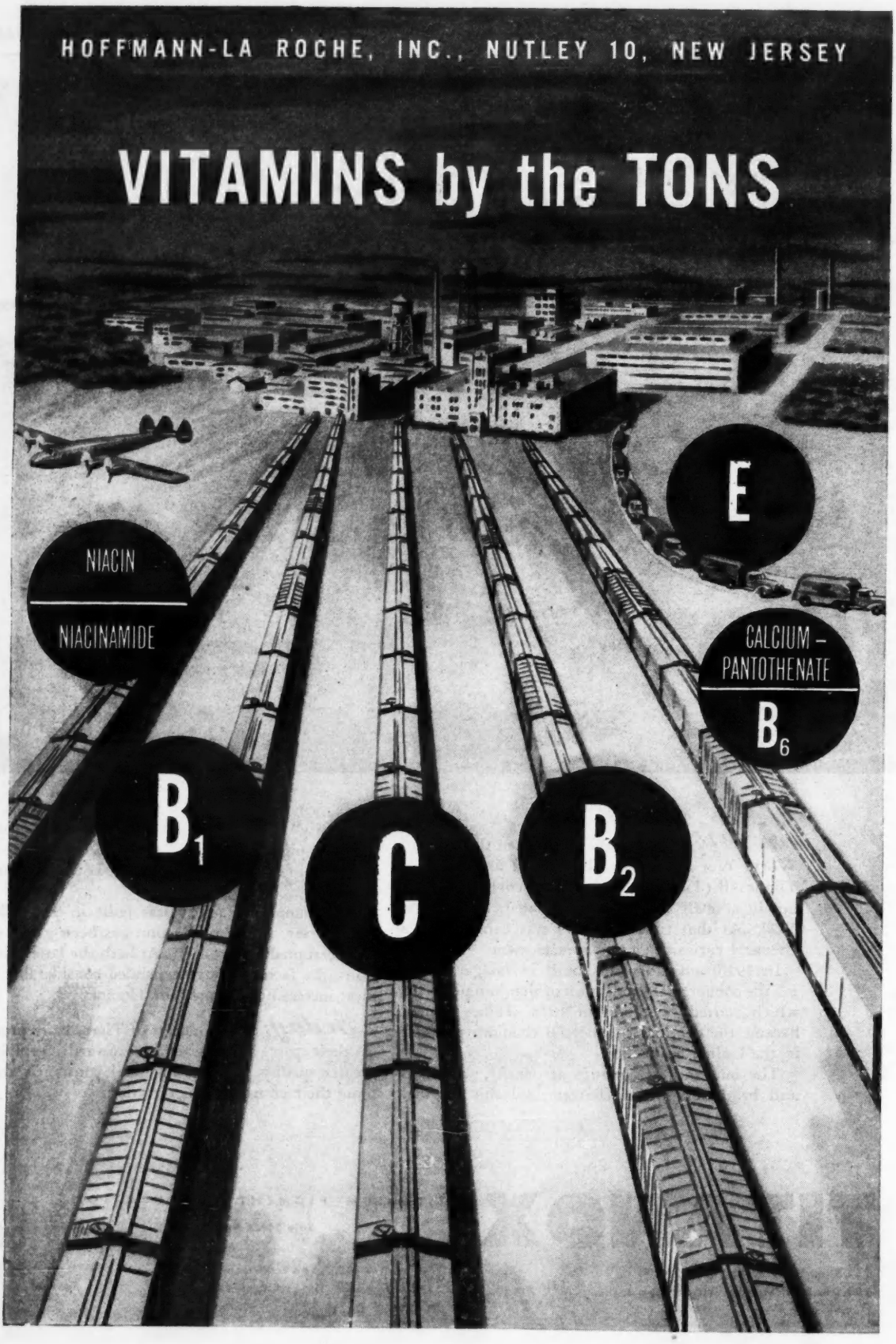
Urea-ammonia liquor, fixed ammonia content, Belle, W. Va., freight equalized with Hopeville, Va., NH_3, ton.112.80- —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —
C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations
Urunday, c.l., ex dock, in bond, lb. .05 - —
Urunday price based on ocean frt., at $13, insurance $1 per lb.
Uva ursi leaves, bls.....lb. .19 - .20

V

Valerian root, Belgian, NF, bls., lb. .59 - .60
Indian, bls.....lb. .52 - .53
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium[1] pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Vanillin, ex lignin, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .23
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb 1.50 - —
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).
Vitamin A (see Oils, codliver, halibut-liver).
B, (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 - .60
Wattle bark,[1,6] E. Africa, bgs., f.a.s..ton.50.00 -53.00
S. Afr., bgs., f.a.s.....ton.50.00 -53.00
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
Wattle bark, solid, E. Afr., 61% tannin, ex dock..lb. .05395- .05845
S. Afr., tannin, ex dock.lb. .0572- .0597
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, cakes, cases..lb. .60 - .63
slabs, bgs.....lb. .58 - .62
crude, pure, African, bgs.lb. .44 - .47
Western hemisphere, bgs.lb. .49 - .51
refined, yel. bricks, bgs..lb. .55 - .56
cakes, cases.....lb. .55 - .57
Candelilla, bgs.....lb. .62 - .65
Carnauba, chalky, No. 3, bgs., ton lots..lb. No stocks
smaller lots.....lb. 1.15 - —
North Country, No. 2, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs. ,ton lots..lb. No stocks
smaller lots.....lb. 1.15 - 1.20
refined, bgs., ton lots.lb. No stocks
smaller lots.....lb. No stocks
yellow, No. 1, bgs., ton lots. lb. No stocks
smaller lots.....lb. No stocks
No. 2, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. 1.20 - 1.25
Ceresin, dom., 132°-136° m.p., bgs..lb. .12½- .13¼
138°-140° m.p., bgs.....lb. .14 - .15
158°-162° m.p., bgs.....lb. .19 - .22
Japan,[6] cs.....lb. No stocks
Micro-crystalline, 170° - 175° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works. lb. .14¼- —
amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis, lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis, lb. .16½- .17½
black, ctns., 30 tons, same basis..lb. .14¾- —
smaller bots., same basis, lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .25¾
Montan, domestic, bgs.....lb. No stocks
Ouricury, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
refined, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
powdered ouricury prices same as candelilla.
Paraffin (see P)
Spermaceti, blocks, cs.....lb. .27 - .32
cakes, cs.....lb. .28 - .33
White lead (see Lead, white).



White precipitate, powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .14 - .15
Whiting,[1] chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -25.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons. N. E., works, ton. 6.00 - —
smaller lots, N.E., works, ton. 7.00 - 9.00
wet-grd., air-coated, 350 mesh, 90¼%, bgs., c.l..ton. 9.35 -10.10
200 mesh, 99¼%, bgs., c.l., ton. 8.00 - 9.50
90% bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —
Paris white, bgs., c.l.....ton.24.00 -28.00
l.c.l. .....ton.25.00 -29.00
precipitated, bgs., c.l.....ton.14.00 -15.00
l.c.l. .....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .16 - .17
rossed, green, bls.....lb. .25 - .30
Wild indigo root, bls.....lb. .30 - .31
Witch-hazel leaves, bls.....lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l., N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -33.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .22
Levant, bgs.....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .60

X

Xanthorrhiza, bls.....lb. .24 - .28
Xylene (see Xylol).
Xylidin, mixed, dms.....lb. .35 - .36
Xylol (xylene), coaltar, indus., ret. dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .28 - —
West Minnequa, Colo...gal. .28 - —
10°, ret. dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
3°, ret. dms., works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .22 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.35 - 2.25
Cadmium, CP, bxs.....lb. 1.35 - 1.40
ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis, lb. .65 - —
sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c., Miss., N. C., S. C., Tenn., Tex. (Dallas), 1½c.; Ft. Worth, 1½c.; El Paso, 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Mercury oxide, bbls., 1,000 lbs, lb. 2.42 - —
smaller lots.....lb. 2.45 - —
Ocher American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0845- —
l.c.l. .....lb. .0865- —
Oxide, iron, nat, bbls., c.l., Bethlehem, Easton, Pa..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l, works...lb. .0685- —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc, bbls., same basis as chrome..lb. .16 - —
Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .25 - .30
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .21 - .25
Yohimbine hydrochloride, vls..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd.lb. .16 - .17
USP, bbls.....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .13½
l.c.l., same basis.....lb. .12¼- .13¾
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused., dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
Zinc chloride, gran., dms., c.l., works..100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works..lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc)
Cyanide, kgs., works.....lb. .33 - .37
Dust,[6] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works.....lb. .1135- —
Fluoride, bbls.....lb. .25 - .30
Hydrosulphite, dms., works..lb. .16 - —
Iodide, NF, bots.....lb. 4.60 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .35
Metal,[1] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
leaded, 5%, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07¾- —
35% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
French process, com'l, lead-free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
green seal, bgs., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09¼- —
Zinc oxide, French process, com'l, lead-free, red seal, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09¾- —
white seal, bgs., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .09¾- —
USP, ctns., c.l.....lb. .10¼- —
l.c.l. .....lb. .10¾- —
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ½c. higher than bgs.
Resinate fused, 1% Zn. lump, dms..lb. .11 - .12
precipitated, 8.40% to 9% Zn, powd., dms..lb. .14½- .15
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech., ctns., c.l., frt. equald..lb. .29 - —
smaller lots, same basis.lb. .30 - .31
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis.....100 lbs. 4.15 - —
flake, bgs., c.l., same basis. 100 lbs. 3.80 - —
l.c.l., same basis.....100 lbs. 4.55 - —
powd., bgs., c.l., same basis.. 100 lbs. 5.35 - —
l.c.l., same basis.....100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide,[1] pure, bgs., c.l., dlvd. lb. .08¼- —
l.c.l., dlvd.....lb. .08½- —
bbls., c.l., dlvd.....lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
Barium pigment,[1,4] bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
Calcium pigment,[1] bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
fluorescent pigment,[1] wks., frt. alld..lb. .90 1.00
Zinc sulphide, magnesium pigment,[1,4] bgs., c.l., dlvd. lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, bbls., dms. lb. .28 - .30
Tallate, 5% Zn, dms.....lb. .06¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 6.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld..lb. 2.00 - 2.60
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. E. of Rockies, lb. .06½- —
Pac. cst.....lb. .06½- —
ex whse., Pac. cst.....lb. .07 - —
Zirconium hydride, cns., works, ¹⁄₂. 7.00 - 8.00
Nitrate, kgs., works..... ..c. 3.00 - 4.00
Oxide, crude, 90%, grd., 200 mesh, bbls., c.l., works.. ton.95.00 - —
10 tons to c.l....ton.100.00 - —
white, 98-98½%, grd., kgs., works..lb. .80 - —

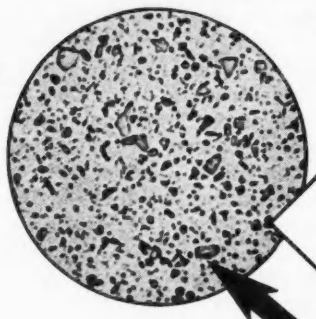
Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for January 7.

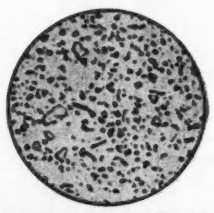
Horse Head

Lead-Free

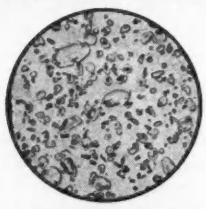
Zinc Oxides



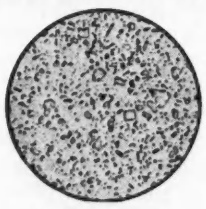
MODERATE PARTICLE SIZE
Horse Head XX-2



MODERATELY LARGE PARTICLE SIZE
Horse Head XX-50



LARGE PARTICLE SIZE
Horse Head XX-503



LOW REACTIVITY
Horse Head XX-505

ACICULAR
Horse Head XX-601

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Confused Constructiveness

Language is a wonderful thing. In its popular use, without benefit of semantics, it certainly exhibits an almost unbelievable capacity of elasticity and flexibility and a boundless versatility. What anybody means by even the simplest, most common words nobody else can accurately and infallibly determine.

As an outstandingly obscure—if you get the apparent paradox—example, here is the declaration of the head of a dairy cooperative that the proposal of the Secretary of Agriculture to advance the price of butter 18 cents a pound is a "constructive step." The Tower of Babel was a constructive step; so was the nazi war machine—if looked at from the point of view of those who expected to gain thereby. But, is a step constructive which, except from the very narrowest standpoint, costs far more than it can possibly be worth?

What would the boosting of the price of butter construct other than a bigger financial return for sellers of butter? It would construct a larger supply of butter, which would multiply the buttermen's financial take, and at the same time apply to their cost of production the diminishing influence of larger output—a factor which is wholly disregarded in all the advocacy of higher selling prices as the only means of increasing production of scores of commodities.

It may be, as some narrow-minded, short-sighted consumers have said, more or less consciously in defense of profiteering, that some butter at 75 cents a pound is preferable to no butter at 57 cents a pound. But, that again depends on the point of view and the meaning given to the word, "preferable."

Another leader of the embuttered farmers, reiterating the stock argument, that scarcities must be blamed on price-control and not on those who will not produce if they cannot profiteer, condemned to extermination "controls that are only partially effective and applied," declaring that their existence was without "reasonable justification." Of course, he meant justification for ineffectiveness. So, he approached the problem from the wrong end. What such ineffective controls need is emendment, extension that will take in all contributory factors, and strengthening that will assure effective application.

No doubt that top dairyman considered his proposal to destroy price-control also a constructive step. Such was the belief of the barbarians of old who killed off all puny children. They, of course, had some justification for their course, because they did not know how to convert puniness to strength. But— well, what is the answer to recent charges that the United States is a century or more behind in this or that? Some prevalent economic ideas are at least that old.

—O-P-D—

Peculiar Ideas of Freedom

One of the most peculiar peculiarities of the indefinite language of economic concepts is that presented in the popular use of the term, "free enterprise." Almost no two applications of that term can possibly be interpreted to give it the same meaning. All differ widely with respect to what enterprise is supposed to be free from and what it is free for. The problems of war controls of production, distribution, and prices owed a large part of their difficulties and impracticabilities to those differences.

Of course, the difficulties of the control program differed in kind, as well as in degree. That was inevitable under the refusal of Congress to set up a single standard on which controls should be constructed and administered. The refusal was itself inevitable under a governmental policy which makes a sheep-and-goats distinction between labor and the other two elements of business and between the business of farming and that of manufacturing.

So, there should be nothing puzzling about the endeavor of the burley tobacco business to fit itself to the peculiar role of agriculture as part free and part bound in its relations with government. Less astonishing is the fact that, when the free marketing of tobacco resulted in a lowering of the price, the governor of perhaps the largest producing State asked that sales be halted until the Federal government could act to support the price. The marketing went on. The State's attorney-general opined that the governor could not order cessation of sales—but that the legislature could. The sort of freedom in which that concept of political economy leaves private enterprise is mighty hard to define.

Right there is one of many examples of the more or less voluntary and conscious tendency of business to manifest a preference for paternalistic protection instead of freedom—and the chances and hazards which attend it. There can be no free enterprise under the conditions of control which now apply in large measure to agriculture: control of price minimums; no control of price maximums; alternating restriction and promotion of production; no obligation in respect of distribution—hold out for all you can get; and if nobody will meet your demands, get a governmental subsidy.

Free enterprise! The term is absurd. The sooner business sets out to correct that absurdity, the sooner will its already noticeable spreading via wages-are-measured-by-profits and similar concepts of freedom be checked.

—O-P-D—

Export Trade Fallacies

The commercial economics of the United States Department of Agriculture is, perhaps, more difficult to harmonize with the national welfare than is that of any other governmental agency—not excepting the Office of Price Administration in its worst blunderings. Its proposal to add one-third to the price of butter is but one phase. Its announcement a week ago that the additional supply of fats and oils resulting from the cutback in military requirements would all be exported, at least for a time, tops the butter boost.

The department expects no improvement in the inadequate supply of fats and oils for domestic consumption. Apparently it has gone global in its functioning, albeit its pay still is dependent on homegrown funds.

It would be interesting to learn whether the department has any idea who is going to pay for the 20 percent increase in exports of fats and oils—and what is to be used for money. The Department of Commerce is painting pretty pictures of the potentialities—well, anyway, promises—of export trade—and scores of such opportunities (?) are being turned down every day, because there are no signs of the existence of the money involved.

Export trade is getting some strange presentations these days, especially on the part of those who favor the funding of the economy of this or that member of the United Nations with United States dollars. The most popular depiction is that this country should pay the other countries not to take away its share of world trade. The United States got a lot of for-free foreign trade in that manner after the previous world war. The financiers who then lost somebody else's money in that "business" are among the loudest advocates of another and still bigger whirl—but they go only half way in their declaration that "we did it once; we can do it again."

It is argued that, unless Great Britain, with credit funds in every going country, is given the big lot of spending money it wants to "borrow" from the United States, it will embark on a fight for world trade by every known device. The "if" part of that statement is wholly superfluous. Britain must have a big share of the contributions to world markets because it must draw so much from them, and it is going to get that share. In spite of all such ideas as the Department of Agriculture's about exporting fats and oils, the United States will be a whole lot better off in every way if it lets Britain get the world's markets it needs by whatever means it chooses—at its own expense. It would take this country a long time to lose in sound export trade as much as the amount of the desired "loan."

—O-P-D—

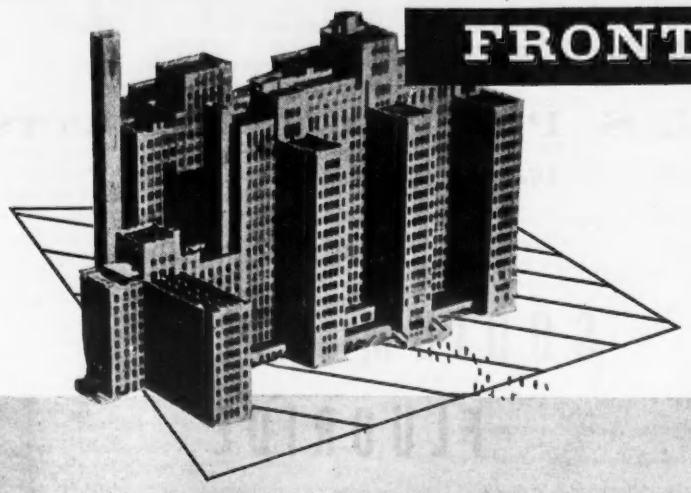
Things to Be Learned

Soon or later it must be expected that the increasingly popular discussions of the need for further regulation of business will fructify in legislative programs. The best endeavors of business to inform and advise the public can but defer the campaigning for statutory requirements of grade labeling, equitable pricing, and other phases of a regulated economy.

Activities in public relations must be maintained. They must also be improved. They must be given an objective philosophy. In addition, business must learn what it must expect in the way of legislative proposals and how these will be adduced and promoted.

And in that necessity much that will be useful will come out of the two discussions this week of existing laws regulative of business by the food, drug, and cosmetic group of the New York bar.

FRONTIERS OF HEALTH . . .



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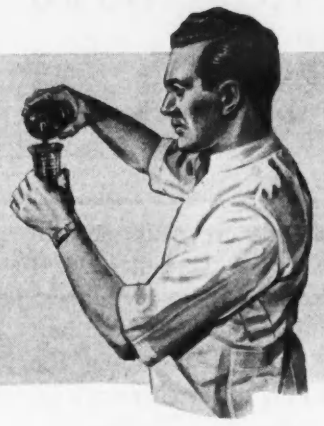

The Factory of Today has changed from its forerunners in more than physical appearance. Plant restaurants serve hot meals planned for maximum nutritional value. Plant safety committees also safeguard health.

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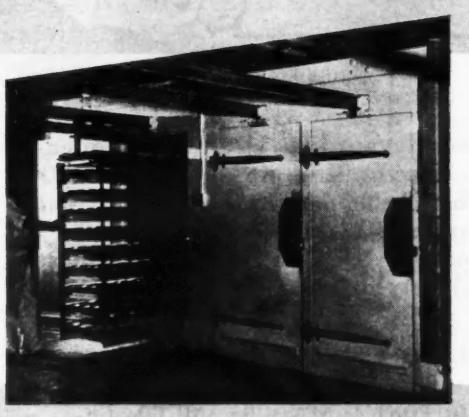

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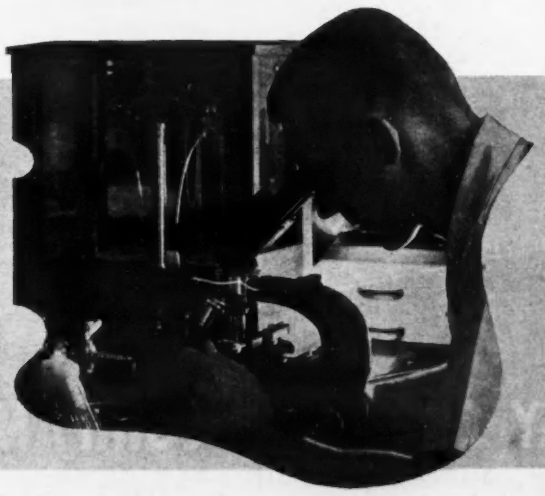

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Heavy Chemicals

Unsettled labor conditions in several of the country's key industries, while creating concern in chemical quarters, have not dampened the consuming demand for many heavy tonnage chemicals. There was evidence to defer orders in certain lines, but this was more than offset by attempts to double and triple commitments in others. Behind the domestic demand was an expanding export inquiry for miscellaneous chemicals. There seemed to be more resale lots reaching the market from somewhere and trading in these materials gave the spot situation an active appearance.

Soda ash in bulk flowed more freely from producing plants and it was stated that shipments were very close to schedules. No easement in the supply of soda ash in bags could be noted and the market will probably remain short until the scanty manpower situation breaks down sufficiently to place full crews at packing units. Heavy demand for liquid caustic soda left no sign of freer stocks. There is a scarcity of tankcars also to aggravate the shipping situation, while the rayon mills, oil refineries and other consuming industries are pressing for deliveries. The cutback in chlorine production has left enough material to to meet demand comfortably, but it has put a dent in the supply of electrolytic caustic soda that is unfortunate at this time. Chlorine tankcars are scarce also, owing to delays in shipping back empties from paper mills and other consuming plants. There are no demurage charges on chlorine tanks.

Large distributors of sulphuric acid do not look for any rumpus over shipments this season. The major consumers, the superphosphate plants, are apparently having their requirements satisfied. Some fairly good export buying was reported in carbonate and caustic potash. Carbonate of potash is tagged for some new government purchases, according to trade advices. Phosphoric acid was in better supply, but buyers could not shade late March or April for carlot shipments of oxalic acid. Carbontetrachloride continued available for immediate delivery. The phosphates, as a class, remained tight. Moderate sales of sulphide of soda was reported and some chloride of barium was also said to have been purchased for foreign account. Odd lots of resale calcium chloride were on the market, but it was doubtful if any could be pried loose from producers for shipment nearer than late April or May. Structural material has finally been delivered for increasing production of white sal ammoniac, but it will be quite a while before facilities are in operation. A proposed labor disturbance at one of the major copper sulphate producing plants has been postponed, temporarily at least.

Paper production as a percentage of six-day capacity was 96.0 in the week ended Jan. 12, according to the American Paper and Pulp Association. This compares with 89.1 in the previous week and 88.7 percent a year ago.

Production figures in some of the following market reports were released by the U. S. Tariff Commission, unless otherwise specified.

Acetic Anhydride—Production was up slightly in October. The total registered 38,534,998 pounds, compared with 37,789,450 pounds in September. The longer month was probably responsible for the increase.

Ammonia, Andydrous — A leading producer has lowered the price for the refrigeration grade to $61.50 a ton in tankcars, works. This is a decline of $7.50 a ton. Other grades were unchanged.

Ammonia Bicarbonate—Steady production has caught up with consuming demand and, while there are no important excess stocks, the inventory position is able to handle current requirements without difficulty.

Ammoniac Sal—Buying conditions have not shown any easement since the beginning of the month. Dry-battery manufacturers are taking the major part of domestic production of white granular and have brought in some foreign material to assist in supplying requirements. Some progress has been made toward the installation of facilities that will eventually increase domestic output. Meanwhile, stocks remain below the level necessary to cover consuming wants promptly.

Bauxite—Mine production of crude bauxite in the third quarter of 1945, which was 10 percent less than in the second quarter, and only slightly more than in the first three months of the year, was 60 percent less than consumption, according to the Bureau of Mines. Moreover, consumption dropped 20 percent from the second quarter. The deficit in production of bauxite was made up both by imports (60 percent) and by withdrawals from mine, consumer and Government stocks (40 percent). Overall stocks, representing about 18 months' consumption at the third-quarter rate, have decreased uninterruptedly since January 1, 1945, dropping 13 percent in nine months. Total production in the third quarter of 1945 was 246,696 tons, compared with 273,689 tons for the second quarter. Total stocks at the end of the third quarter, including those at mines, at processors and in consuming hands were 3,605,323 tons, against 3,707,040 tons at the close of the second quarter. Imports for the third quarter were 226,270 long tons, all from Surinam. Exports for the same period were 30,693 long tons, all to Canada.

Calcium Chloride—While occasional lots of resale material have reached the open market, the position with producers has remained exceedingly tight. According to trade reports shipments are being made about two months behind schedule with no improvement in sight.

Carbontetrachloride — Stocks have continued adequate to meet demand and the movement, while broadening for consuming requirements, has not tapped supplies sufficiently to tighten the market. Production during the month of October amounted to 11,136,450 pounds.

Chlorine—Although trade reports indicate a cutback in production, stocks have been maintained at a level to satisfy the consuming demand. The movement has been aggravated by the shortage of tankcars. There has been some delay in consumers returning empty tanks regardless of the constant appeals of producers. The fact that there are no demurage charges on chlorine tanks may account for the delay in their return.

Copper—Crude-copper output in December was 62,798 tons, which is the lowest level for any month during 1945. The Copper Institute placed December production of refined copper at 66,052 tons, compared with 70,218 tons in November and a high of 85,319 tons established in May. Production of refined copper for the year 1945 was 843,113 tons against 1,098,788 tons in 1944. Stocks of refined copper on December 31 were 76,512 tons, compared with 74,425 tons at the end of November and 66,780 tons on December 31, 1944.

Potash Carbonate—Export orders and possibilities of more export orders have checked the accumulation of supplies of this chemical. So far, the glass, shellac, chocolate and other consuming industries have been getting their usual requirements. It is reported in trade circles that Sweden

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Ammonia, anhydrous, refrigeration grade, $7.50 a ton, tankcars, works.

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.9	168.9	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

(For Current Prices see page 9)

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has recently made a purchase of approximately 50 tons of potassium carbonate in the United States for immediate shipment. It is understood that purchase was made of the carbonate because of the inability to obtain any of the raw material here or abroad. The use to be made of the carbonate is described only generally as for chemical use.

Potash Caustic—Stocks have met the domestic demand in satisfactory shape but rather persistent buying for export account had a tendency to tighten the market. Requirements have depended mostly upon current production which has moved rapidly enough to prevent supply accumulations.

Potash Chlorate—Maintenance of heavy shipments chiefly for the manufacture of matches has relieved the market of surplus stocks. In producing quarters, the situation was reported satisfactory with the market showing an even balance from supply and demand.

Salt—Department of Agriculture purchased for its supply program 500,000 pounds of table salt in November at a cost price of $4,850. The total amount purchased from January 1 through November 30 was 1,742,540 pounds costing $12,691.

Soda Ash—Some of the producers have been able to move bulk ash in better volume and shipments are being made to consuming plants with comparatively little delay. Most of the larger consumers can take bulk material and they can note appreciable improvement in shipments compared with a few months ago. No such condition was reported in ash in bags where manpower shortage continues to make packing a difficult problem.

Soda, Caustic—Distinctly tight at producing points under a demand that seems to be constantly expanding. The short shipments are the result of a combination of circumstances that includes replacements of worn-out machinery, limited supply of tankcars, labor scarcity and a cutback in the production of electrolytic caustic by a reduction in the chlorine output. There is an unusually heavy demand from the rayon mills, oil refiners and other major consuming industries. There are resale lots of the dry forms reaching the market through second hands but the producers' position on flakes or solid is exceedingly short.

Soda Chlorate—Heavy demand has been covered in a satisfactory manner by current production. The market has been under pressure but has not varied much from even balance. The major movement has been for weed-killing requirements but shipments have also reached the textile mills, leather tanneries and the chemical and dyestuff plants.

Soda Nitrite—Buying interest has not been of a very pronounced character of late. Small lots have found their way to textile and drying plants and into the manufacture of azo dyes. Producers' stocks have remained at a level to meet demand easily.

Acids

Acetic—Demand and supply keeping the market in a fair degree of balance at present. October shows a production of 19,134,418 pounds of synthetic and 2,235,000 pounds of natural. Recovered acid registered 58,589,725 pounds.

Chromic—Continued to improve its supply position so that domestic requirements can be covered on a fairly prompt basis. Stocks, however, have not been free enough to permit the acceptance of export orders.

Nitric—Found a steady outlet mostly to regular consumers. Supply meeting demand without difficulty although there was no evidence of excessive stocks.

Phosphoric—Reported in somewhat better supply with stocks available for reasonably prompt shipment. The situation showed improvement over a month ago.

Oxalic—Producers have not altered their views for shipments. March-April was given as the best for carlots. Consuming demand was active and continued of the same miscellaneous character recently reported while the inventory position remained definitely tight.

Sulphuric—Producers' inventories

for SULFUR DIOXIDE and METHYL CHLORIDE

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have been kept down by the heavy drain into consuming channels. The superphosphate as well as other large consuming industries have not found the acid supply much of a problem this year and some of the largest sellers of sulphuric acid do not look for any unusual difficulty in meeting requirements.

Baltimore, Jan. 18.—The manufacture of sulphuric acid has proceeded without change except that some materials used in the process are becoming increasingly scarce, with transportation delays also present to trouble producers. Otherwise operations run smoothly, with exemption from labor problems in this period of strikes, a special cause for gratification of employers. One offset to this is a comparison of acid prices with those that prevailed in the first world war, when producers were able to run cost to buyers up to $60 a ton against the present ceilings imposed by OPA, which are made applicable not only for the government, but also in dealing with civilians. The highs still vary for producers, which have as their basis the top figures realized in March four years ago, and even these highs are not always approved, with renegotiation constituting the means whereby the government may scale the figures. Output continues large enough to take care of the government needs and also allow adequate margins for the wants of private industry .

Foreign Trade Rules

Argentine Pharmacopeia—An Argentine Pharmacopeia Committee has been created in a permanent capacity, under the National Bureau of Public Health. This committee of eleven members is charged with revising and bringing up to date the Argentine Pharmacopeia and preparing a new edition every five years.

Medicinals—According to Executive Decree No. 293, all documentary import controls on medicinals, pharmaceuticals and allied lines have been lifted. It is no longer necessary, therefore, for Venezuelan importers of these products to apply to the National Supply Commission for an import permit (licencia previa).

Spanish Licenses: — Commercial samples sent into Spain by "green-label" mail or by air mail or carried by a traveler, are no longer subject to license, by an order of the Ministry of Commerce and Industry.

'Stacomb'—'Stacomb" liquid and 'Glostora' have been reclassified with other perfumed brilliantines and perfumed oils in the Costa Rican customs tariff, and thus made dutiable at 10 colones per gross kilogram, and also subject to a social security tax of 2.40 colones per gross kilogram. The former rate of import duty paid on these products was 3 colones per gross kilogram.

Surtax:—Costa Rica has imposed a special surtax of 0.01 colon per kilogram on all articles, substances, materials, or products imported into Costa Rica, with the exception of those which enter the country duty-free.

Varnished Tinplate—Varnished tinplate has been declared an article of prime necessity in Chile and import duty on it has been reduced from 0.15 gold peso to 0.10 gold peso per gross kilogram.

Corporation Earnings

Armour & Co., Illinois

	1945.	1944.
Net income, year, Oct. 27.	9,172,538	11,250,348
Per share.....	17.21	21.11

Ashland Oil & Refining Co.

Net income, year, Sept. 30.	980,087	771,939
Per share.....	.92	.75

Molybdenum Corp. of America

Net income, 10 mos., Oct. 31	323,851	.....
Per share.....	.56	.....

Trade Briefs

Institute of Textile Technology in Charlottesville has appointed Miss Corine Sheppard as cataloger of the library.

Dr. Milton Harris has been appointed visiting professor of textile chemistry at the Polytechnic Institute of Brooklyn.

Aetna Scientific Company, manufacturers of stills and sterilizers, has moved to a newly constructed plant in Everett, Mass.

Ace Plating Works, is erecting a new factory building at 719 Towne avenue, Los Angeles, at a cost of $16,000.

Locke White, jr. has left the Naval Research Laboratory, Washington, D. C., to join the staff of Southern Research Institute.

Liberty Plating Company will erect a factory and office building at West Jefferson Boulevard, near Fairfax avenue, Los Angeles, Calif.

Sanita Chemical Company, New York, has filed a certificate of voluntary dissolution in the office of the Secretary of New York State.

Crown Cork & Seal Official Family Realigned

John J. Nagle has been elected president of the Crown Cork & Seal Company, according to Charles E. McManus, chairman of the board. Mr. McManus has resigned as president but will continue to take an active part in the affairs of the company.

Mr. Nagle was born in New York and attended Fordham Preparatory School, Fordham University and Fordham Law School, where he obtained his law degree. He also served in the Navy in World War I. In 1920 Mr. Nagle became associated with the New Process Cork Company, of which Mr. McManus was president. Mr. Nagle served in the capacity of treasurer. In 1927 Mr. McManus acquired control of the old Crown Cork & Seal Company, Baltimore, merging the two organizations. Mr. Nagle has been treasurer, secretary and a director of Crown Cork & Seal Company since that time. He is also a director and officer of Crown's subsidary companies. He is fifty-three years of age.

F. Erwin Fusting will continue as vice-president, also succeeding Mr. Nagle as treasurer and Walter L. McManus will succeed Mr. Nagle as secretary of the company.

Crown Cork International Corporation has elected Charles E. McManus chairman of the board, resigning as president, but will continue to be actively engaged in the affairs of the company. Charles E. McManus, jr., has been elected president of the corporation. He is also executive vice-president and a director of Crown Cork & Seal Company.

Givaudan-Delawanna Names Prior to Outside Sales Staff

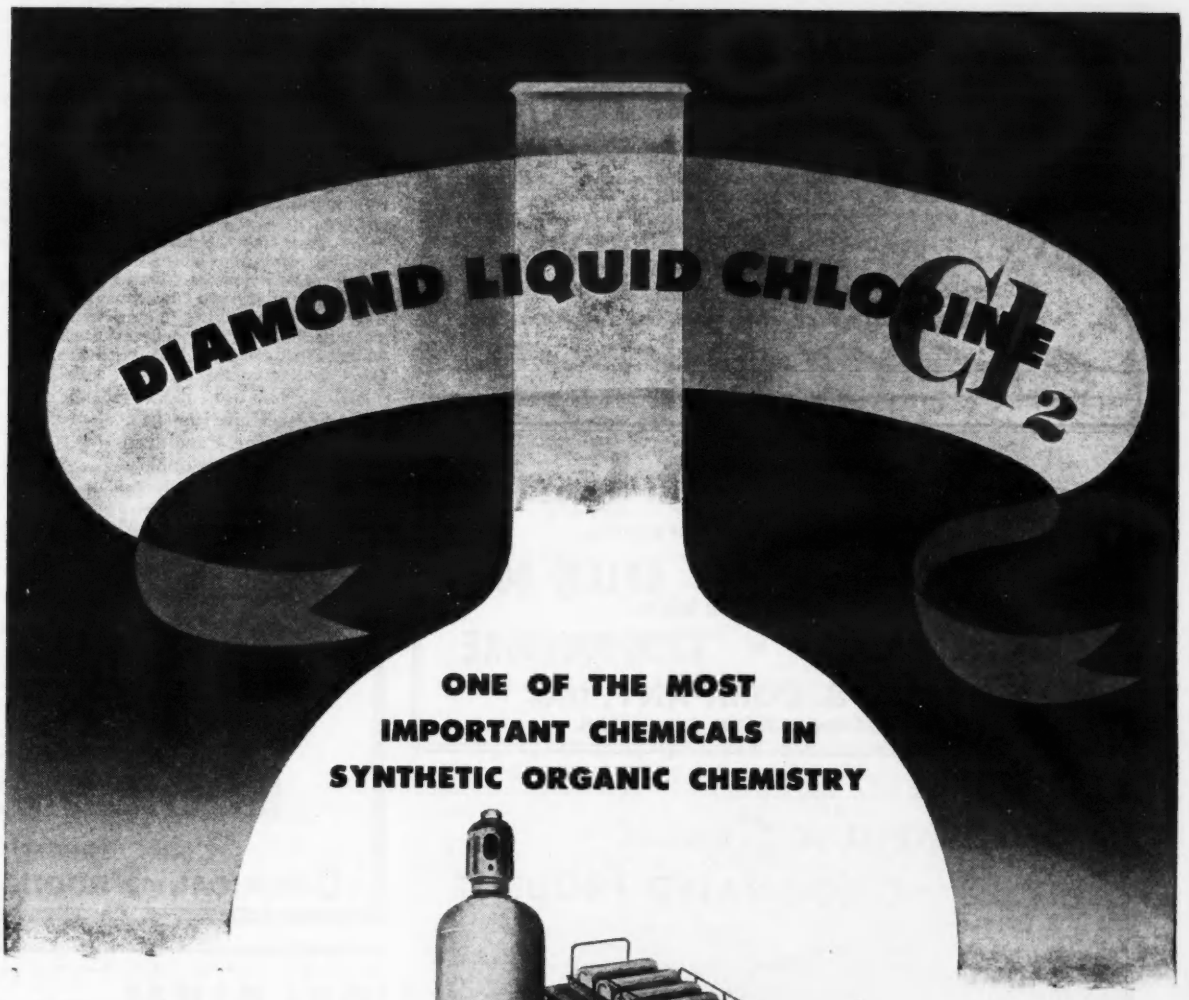
M. J. Prior, who has for some years been associated with the sales office of Givaudan-Delawanna, Inc., aromatic chemicals and essential oils, New York, has been transferred to the outside sales staff and will cover a territory in the South and Southeast portion of the country, according to R. M. Stevenson, sales manager of the company. In addition, he will serve some of the accounts in the Metropolitan area and will assist in the Cincinnati office whose manager is now in military service.

N.J. Standard Oil Names Pager to Medical Post

Dr. Robert C. Pager, formerly assistant medical director, has been appointed general medical director of Standard Oil Company of New Jersey to succeed Dr. Willard J. Denno, chief medical officer since 1918, who will continue as medical consultant. Dr. Alfred Gage, an assistant medical director, will be in charge of medical service and advice for affiliated companies in Latin America.

Verrault with Velsicol

Velsicol Corporation, petroleum chemicals and derivatives manufacturer, Chicago, has appointed Howard M. Verrault to its sales staff. He will be assigned to the company's Eastern offices, which are at 11 Park place, New York.



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Mathieson Alkali Names Logan, Smith to Posts

John O. Logan has been appointed an assistant general manager of sales for the Mathieson Alkali Works, according to G. W. Dolan, president of the company. Mr. Dolan also announces that Harry P. Smith has been appointed New York district sales manager, a post formerly held by J. B. Peake, who continues as an assistant general manager of sales.

Mr. Logan has been with Mathieson Alkali since 1931 when he joined the organization as research assistant. He has held positions as technical representative of the New York office, then of the Chicago office and, again in New York, as assistant to the manager of the technical service department Most recently he served as Western sales manager of the Chicago office.

Harry P. Smith, a native New Yorker and a graduate of Columbia University, was treasurer, vice-president, and president of the George Chemical Company, before joining the Mathieson Alkali Works. Both Mr. Logan and Mr. Smith will make their headquarters in the New York offices of the company.

Synthetic Tannin Developed by Monsanto

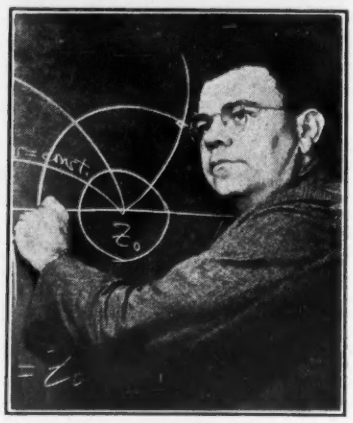
A synthetic tanning chemical for sole leather has been announced by Monsanto Chemical Company, St. Louis. The product, identified as 'Exan,' was described as imparting to sole leather a fine smooth grain, as well as such desirable qualities as tightness, firmness, pliability and excellent resistance to abrasion, water and wear.

For centuries the fabled spreading chestnut tree has been the chief source of sole leather tanning agents. Its abundant growth in Pennsylvania was the determining factor in the location of a high percentage of sole leather tanneries in that area years ago.

American Printing Ink Elects Karger President

The American Printing Ink Company, Cincinnati, has elected Lt.-Col. Alfred Gus Karger as president. Colonel Karger, formerly vice-president of the company, has returned to civilian life after nearly five years in the army, nineteen months of which were spent in the European Theater of Operations and of which period, ten months was in combat.

Specifications Chairman



Dr. Edward U. Condon, director of the National Bureau of Standards, has been appointed chairman of the Federal Specifications Board. He succeeds Dr. Lyman J. Briggs, director emeritus of the National Bureau of Standards, who recently retired from the government service.

Stein-Hall Has Pension-Profit Plan

Stein, Hall & Co., Inc., New York, marked 1946 as its eightieth year with the announcement of the adoption of pension and profit sharing plans for the benefit of its employees. The entire cost of the plans will be borne by the company.

Merck Plans New Stock Issue

Merck & Co., chemical manufacturer, Rahway, N. J., has called a special meeting of the holders of its preferred and common stocks for February 5, to vote on a proposal to issue 120,000 shares of new cumulative preferred stock and 100,00 shares of new common. The proceeds of the proposed issues would enable retirement of the outstanding 100,000 shares of 4½ percent and 5½ percent preferred stock and would provide more than $5,000,000 for contemplated business expansion.

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IRVINGTON WORKS NEW JERSEY
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Chase Bag Company To Build New Plant

Chase Bag Company, New York, will celebrate its one hundredth anniversary in 1946, with the erection of a modern 100,000 square foot, one floor, brick and concrete building in St. Louis.

The Chase Bag Company has been located in St. Louis since 1866, when the first Western plant was opened by Francis H. Ludington, grandfather of the present president of the company, and has been at its present location, 928 Spruce street, for the past twenty years. The plant will be built on the north line of Southwest avenue in the 5,000 block just west of Kings highway.

Northern New England Textile Chemists to Meet

A meeting of the Northern New England Section of the American Association of Textile Chemists and Colorists will be held January 25, in the Hotel Manger, Boston. Kenneth R. Fox, president of Lowell Textile Institute, will speak on, "Modern Textile Education—Natural or Synthetic."

Anselmi Going to Europe

Joseph C. Anselmi, vice-president of Leghorn Trading Company, New York, importer of chemicals and vegetable oils, and president of Miramar Distributing Corporation, specializing in foodstuffs, is leaving this week for an extensive trip to Europe, principally Spain, Portugal, France and Italy.

William Wraith Retires

William Wraith, executive vice-president of Andes Copper Mining Company and the Chile Exploration Company, and vice-president of Greene Cananea Copper Company, subsidiaries of Anaconda Copper Mining Company, has retired. He will continue to serve the Anaconda organization in a consulting capacity.

Diamond Alkali Expands Sales Organization

Diamond Alkali Sales Corporation, Pittsburgh, has taken over the operation of the Baltimore and Boston branches of Sunshine Soda Company. The Baltimore branch will be merged with Diamond's Philadelphia district office located at 12 South Twelfth street, of which Mr. C. F. Wolters, jr., is manager. H. A. Kurtz and A. DePhillips, former Sunshine Soda representatives in the Baltimore area, will continue to supply local service from Baltimore and Washington warehouses.

In Boston a new Diamond Alkali Sales office has been established to take over the operation of the former Sunshine Soda branch in that city. The offices are located at 80 Federal street. H. B. Clark, formerly associated with Diamond's New York sales organization, will serve as Boston branch sales manager.

R. B. Perry has been made sales manager of the Memphis office. Mr. Perry has been associated with the Diamond Alkali organization for some years, and was recently released from service in the navy, where he served as lieutenant in various combat areas. He succeeds E. A. Jones, who has opened a chemical and laundry supply business in Little Rock, Ark.

Mr. C. I. Brinkerhoff, formerly associated with the Memphis office of Diamond Alkali, will take up new duties with the Benner Chemical Company, Chicago, distributor of Diamond Alkali products in the middle West.

Jacoby-Tarbox to Handle Filtration Accessories

Jacob-Tarboy Corporation has been formed by Henry E. Jacoby and George S. Tarbox. The new organization, with a plant in Yonkers, N. Y., will handle such specialities as "Hank" brand filter paper, full view fitting and a wide line of filtration accessories. John J. Weimers is affiliated with the company.

Nordlinger Rejoins Conti

Col. Stephen L. Nordlinger, who was in the Army Reserve at the start of the war, as a lieutenant, and reached the rank of colonel, recently returned from the Pacific area, and has again taken up his duties as vice-president and sales manager for the Conti Products Corporation, Brooklyn.

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Immediately available, 100 tons of 66° Bé. acid minimum sale: Tank car lots, FOB, Meadville, Pa.

Informal written bids received until and including February 2nd at the War Assets Corporation office in St. Louis, Mo. The War Assets Corporation reserves the right to reject any or all bids. Credit terms can be arranged.

VETERANS: To help you in purchasing surplus property from the War Assets Corporation, a Veterans' Unit has been established in each of our offices.

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325

Chemical Workers Increased in November

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted a 0.6 percent gain from October to November, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 26.9 percent below the corresponding level of 1944. Payrolls showed a drop of 9 percent from October to November and stood 28 percent below the corresponding level for 1944.

The Bureau of Labor Statistics index numbers for factory employment in the chemical group of industries for November was 154.3 (100 equals 1939 average), compared with 153.2 for October and 210.9 for November last year. For payroll totals the index number was 256.6 for November and 258.6 for November last year.

The bureau's general index numbers for all manufacturing industries for November showed the following comparisons:—

	Nov. 1945	Oct. 1945	Nov. 1944
Employment	121.6	121.2	163.0
Payroll	202.3	218.0	331.2

Employment in the chemical group of industries was 0.8 percent above the average of all industries. Payroll totals were 11.2 percent above the general average for industries. Labor statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment		
	Nov. 1945	Oct. 1945	Nov. 1944
Quarrying and non-metallic mining	85.0	83.9	82.1
Crude petroleum production	86.7	84.9	82.1
Dyeing and cleaning	120.6	124.7	117.1
	Payroll totals		
	Nov. 1945	Oct. 1945	Nov. 1944
Quarrying and non-metallic mining	163.2	164.3	152.8
Crude petroleum production	141.4	133.6	130.9
Dyeing and cleaning	193.5	207.6	181.9

Payroll Totals
(100=1939 average)

	Nov. 1945	Oct. 1945	Nov. 1944
Chemicals	280.3	261.3	280.2
Cottonseed oil	305.8	265.0	300.3
Drugs, medicines and insecticides	268.7	268.8	269.7
Explosives and safety fuses	535.1	622.5	1,865.1
Fertilizers	240.2	249.8	233.6
Paint, varnishes and colors	174.7	171.9	167.0
Petroleum refining	217.2	188.9	214.2
Rayon and allied products	186.8	184.1	179.0
Soap	161.9	165.1	168.2

Detailed Comparisons
Employment
(100=1939 average)

	Nov. 1945	Oct. 1945	Nov. 1944
Chemicals	159.0	157.0	165.5
Cottonseed oil	135.7	118.5	139.1
Drugs, medicines, insecticides	175.3	173.6	181.0
Explosives and safety fuses	354.8	416.6	1,244.3
Fertilizers	110.7	108.4	106.5
Paint, varnishes and colors	112.6	110.1	106.0
Petroleum refining	131.0	121.5	124.0
Rayon and allied products	116.2	113.4	111.3
Soap	100.1	98.6	99.4

Wilmington Chemical Names Midwestern Representative

Edward E. Zeilstra, formerly chief rubber chemist in the wire division of the John A. Roebling's Sons Company, has been named Midwestern representative for the Wilmington Chemical Corporation. He will make his headquarters in First Central Tower, Akron, Ohio.

Leaves Bristol-Myers

Robert J. Ingram has resigned as sales promotion manager of Bristol-Myers Company to become executive vice-president of Fair Trade Merchandising and its affiliate, Drug Sales Builders, Inc., New York. Mr. Ingram will devote his time towards integrating merchandising efforts of drug advertisers and retail druggists using the FTM point-of-sale promotional program.

Steel Shipping Containers Output Up in October

Production of steel shipping barrels, drums, and pails increased during October, 1945, as the industry produced 1,693,791 heavy type barrels and drums, 872,639 light type barrels and drums, and 4,510,423 steel packages, kegs, and pails, according to a report released by the Bureau of the Census. This contrasted with the September production of 1,550,943 heavy type barrels and drums, 726,417 light type barrels and drums, and 4,342,006 packages, kegs and pails.

Cobalt Metal Production Discussed

Further developments upon a combined chemical and electrolytic process which will materially facilitate the production of cobalt metal from domestic ores are reported in a publication released by Dr. R. R. Sayers, director of the Bureau of Mines.

A copy of the publication, Report of Investigations 3832, "A Study of Certain Factors in the Hydrometallurgy and Electrodeposition of Cobalt," may be obtained free by writing to the Bureau of Mines, Department of the Interior, Washington 25, D. C.

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Agricultural Chemicals

Department of Agriculture reports that exclusive of needs for fertilizers in the Far East, which are large, the overall world shortage of nitrogen, phosphoric acid and potash was estimated by the committee on fertilizers at approximately 1,000,000 short tons. Prospective supplies of fertilizer which should be available to American farmers for 1945-1946 are as follows:—nitrogen, about the same total as a year ago, with substantially less Chilean nitrate of soda, but more domestic synthetic nitrogen. Total potash supply about the same as last year, but with less in sulphate form. Phosphate supplies, somewhat more than a year ago, with the increase coming mainly in the form of ordinary phosphate.

Tonnage of fertilizer used by the farmers in this country in each of the last seven years was larger than the tonnage used in the preceding year. A new all-time peak in fertilizer consumption was reached successively in each year from 1940 through 1945, it is pointed out by The National Fertilizer Association. American farmers were called on during the war years to raise their production of foodstuffs to the highest level in history. This objective was accomplished with the help of the increasingly large quantities of commercial plantfood made available by the fertilizer industry.

Increase in superphosphate production, which had been particularly marked in recent months, continued in November. Production in that month at plants of producers that report their operating statistics to NFA amounted to 505,000 tons, basis 18 percent available phosphoric acid. This represented an increase of 21 percent over November, 1944. Total production in the first eleven months of 1945 exceeded the corresponding period of 1944 by nearly 11 percent. Most of this increase occurred in the last several months, following the release of sulphuric acid from munitions production. Superphosphate stocks declined somewhat during November as a result of the large shipments and quantity used in mixed goods.

Regarding insecticides, the production of DDT, held close to the government's estimate. Output in October registered 3,037,968 pounds.

Hearings have been tentatively scheduled by the house committee on agriculture for February 5 and 6 on the bill H.R. 4851, providing for an economic poisons law patterned after the Federal food, drug, and cosmetic act. The bill, introduced last month by Representative John Flannagin of Virginia, chairman of the committee, is being sponsored by the Department of Agriculture.

Nitrogenates

Ammonia Sulphate—Supply remained distinctly tight with no easement in sight. Production has been slowed down by labor disturbances and by difficulty in securing replacements for worn out parts at some of the producing plants. Shipments are one to two months behind contract schedules.

Bone Meal—Trading was confined to occasional carlots. Demand was active enough to absorb limited offerings readily but current production is insufficient to meet requirements. The market is firm at ceiling levels.

Castor Pomace—No additional sales were reported. All material produced has been shipped against standing contracts where the movement has not been sufficient to keep pace with schedules.

Dried Blood—An importation of 536 bags from South America did not reach the open market. Any domestic material available has found a ready outlet at ceiling prices. There were inquiries for both feed and fertilizer uncovered at the close of the week.

Soda Nitrate—Supply situation getting tighter with domestic producers and importers both allocating shipments to regular customers at an average slightly below that of a year ago. Demand is steadily increasing while shipments are slower. Difficulty in securing soda ash has not encouraged increased domestic production of nitrate.

Tankage—Not much material available to meet current demand. Labor disturbances at packing-house plants suggest a curtailment of domestic production and a further tightening of the supply position.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

(For Current Prices see page 9)

Phosphates

Phosphate Rock—Some delay in the movement from mines is reported and pressure for shipments has increased. The supply situation has become tighter under the continued heavy demand. Production has been aggravated by a combination of circumstances which includes labor shortages and delay in replacing worn out machinery. Stocks were also tapped earlier in the season by export shipments. The sold ahead condition of output has made it difficult for buyers to increase commitments at this time.

Superphosphate—Production of normal superphosphate has increased every month from June through November, the latter month showing 21 percent over November, 1944. Stocks were lower at the end of November on account of the quantity used in mixed fertilizers. The market at present is tighter than it was a month ago and according to trade reports there are orders embracing considerable tonnage that remain unfilled. The Bureau of the Census placed November production of superphosphate 18 percent a-p-a at 651,449 tons, concentrated 24,893 tons and wet-base 4,341 tons, compared with 551,376 tons of 18 percent, 20,250 tons of concentrated and 2,672 tons of wet-base for the same month in 1944. Stocks on November 30 were 802,765 tons of 18 percent, 33,602 tons of concentrated and 11,771 tons of wet-base against 796,118 tons of 18 percent, 29,207 tons of concentrated and 10,316 tons of wet-base for the same a year ago.

Potashes

Potashes—Although the movement of muriate is somewhat behind contract schedules, mixers are getting material but the pressure for mixed fertilizer has prevented any resales of potash. The development of an additional demand has kept the price structure firm while buyers both in the East and on the Pacific coast have found the market bare of stocks. At present, domestic production is the only supply source as prospects for nearby importation are not considered favorable owing to the heavy demand in the European markets.

Cottonseed Hull Ash—Tobacco farmers were in the market for this material but found the supply exceedingly scarce. Trade reports indicate the season's production has been practically sold out.

Insecticides

While producers of fungicides and insecticides are building up stocks to meet requirements later in the year, considerable attention is being given to additional consuming outlets, according to the Agricultural Insecticide and Fungicide Association. A lot more spraying and dusting is involved these days in insecticides and fungicides for agriculture. Included in these new fields are hormone sprays for checking fruit drop and treating blossoms to set fruit. Weed-killers, covering arsenicals, chlorates, and recently, some hormones and other new developments. Public health, especially typhus and malaria control. Cleanup sprays, applied to ground litter in orchards against over-Wintering pests—a new use for standard materials. Seed treatment. Soil disinfection and disinfestation. Livestock protection against external pests. Defoliants, applied, for instance, to cotton for easier picking and to potato vines to reduce danger of late blight infecting fresh-dug tubers and to facilitate digging. All these fields are now recognized by AIFA, in addition to the commonly understood use of agricultural insecticides and fungicides, and all are part of economic pest control.

Sulphur and Pyrites

Trade advices indicate that sulphur shipments from Gulf coast mines during 1945 were approximately 3,800,000 long tons, compared with 3,500,000 long tons in 1944, a new all-time record. Production also climbed to new high levels. At the end of the war more native sulphur was being produced than at any previous time on record. Output for the entire year, 1945, was approximately 3,750,000 long tons, compared with 3,200,000 long tons in 1944. Shipments of pyrites to regular consumers are keeping supplies relatively low. Canadian material seemed to be satisfying most of the demand.

Los Angeles, Jan. 18.—All agricultural chemicals continue in poor supply. Little trading was reported. Ammonia nitrate imports from Canada are off. All prices held firm.

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Blossom Brand Wettable Sulphur
Mohair Brand Wettable Sulphur
Rubbermakers Sulphur (ground to specifications)
Texas Yellow—Refined Flowers of Sulphur
Sulphur Insecticide Mixtures
Sulphur Calcium Arsenate Mixtures
Sulphur Cryolite Mixtures
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For Late Market Developments, See Page 4

BARRETT

CHEMICALS

FOR INDUSTRY

For your convenience The Barrett Division, Allied Chemical & Dye Corp. announces the following prices for Pyridines and other Tar Bases for the first quarter of 1946:

	CARLOADS STEEL BARRELS	LESS CARLOAD STEEL BARRELS
(A) Refined Pyridine 2°C Boiling Range	45¢ lb.	46¢ lb.
(A) Refined Pyridine 10°C Boiling Range	36¢ lb.	37¢ lb.
(A) Refined Pyridine 15°C Boiling Range	25¢ lb.	26¢ lb.
(A) Refined Pyridine 20°C Boiling Range	22¢ lb.	23¢ lb.
(A) Refined Pyridine 30°C Boiling Range		
(a) 50% min. at 140°C, 90% min. at 160°C	$1.54 gal.	$1.59 gal.
(b) 90% min. at 165°C	1.49 gal.	1.54 gal.
(A) Refined Pyridine 50°C Boiling Range	60¢ gal.	63¢ gal.
(B) Commercial Pyridine #2	70¢ gal.	73¢ gal.
(A) Beta Gamma Picoline 3-4°C Boiling Range	24¢ lb.	25¢ lb.
(A) Refined Alpha Picoline 2°C Boiling Range	24¢ lb.	25¢ lb.
(B) Refined Quinoline 2°C Boiling Range	25¢ lb.	26¢ lb.
(B) Refined Quinaldine 2°C Boiling Range	—	$1.00 lb.
(B) Refined Isoquinoline, 90% distilling within 1°C	—	60¢ lb.

(A) Prices apply f.o.b. Frankford, Philadelphia, Pa., freight equalized with Pittsburgh, Pa.; Indianapolis, Ind.; Newark, N. J., and Follansbee, W. Va.

(B) Prices apply f.o.b. Frankford, Philadelphia, Pa.

Packages—Steel barrels included in price and not returnable.

Terms—Net cash thirty days from date of invoice.

Contracts bearing quarterly price revision clause are offered for the period terminating December 31, 1946.

*Trade-mark Reg. U.S. Pat. Off.

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ALLIED CHEMICAL & DYE CORPORATION
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ROOFINGS * TARVIA* * CHEMICALS

Barrett

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Coaltar Chemicals

Possibilities of a wide-spread steel strike and the probabilities of a settlement have offered problems difficult of solution to buyers and sellers of coaltar chemicals during the past week. There has been a tendency on the part of some consumers to ask for January shipment of February and March requirements. Current production is not capable of satisfying this kind of demand, but there has been a greater amount of buying and the markets have tightened under this influence. Benzol was not in liberal supply, but met the demand in fairly good shape. Crude naphthalene was brought to a lower supply level, while the refined grades remained distinctly tight. Buying of synthetic phenol was sufficient to take down inventories. Creosote oil production has been sold so far ahead that no easement in buying conditions was in sight. Cresylic acid has not emerged from its scanty supply position while xylol stocks seemed tighter than at the beginning of the month. Toluol remained available for prompt shipment without attracting any unusual buying interest.

Anilin oil has improved its position with reasonably prompt shipments obtainable. Diphenyl can now be booked for prompt delivery. Phthalic anhydride remained available, but stocks so far have not become burdensome. Both fumaric and maleic acids continued in short supply with too many backlog orders to permit of any nearby improvement.

Steel operations for the week beginning January 14 were scheduled at 76.5 percent of ingot capacity, compared with 82 percent in the previous week, according to the American Iron and Steel Institute. A month ago, the indicated rate was 83 percent. The present schedule is equivalent to the production of 1,401,200 net tons of ingots and castings, compared with 1,502,000 tons in the preceding week, and 1,688,400 tons for the corresponding week in 1944.

Production figures appearing in some of the following market reports were released by the United States Tariff Commission.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

(For Current Prices see page 9)

Basic Products

Benzol—Consuming demand so far this month has shown a tendency to lead production. The absorption of any excess stocks has left the market in a relatively tight position while buying interest has been accelerated by the possibilities of a cutback in production through labor disturbances. Production from tar distillation in October was 376,890 gallons of the motor grade and 3,473,047 gallons of other grades.

Creosote Oil—Production is moving as rapidly as made available. Demand is active and there is no evidence of easement in the supply position. Consumption for wood-processing has continued to broaden and the market is under pressure for prompt deliveries. Output from tar distillation in October amounted to 10,210,848 gallons.

Cresylic Acid—Market continues to feel the impact of a demand that has outdistanced both domestic production and imports. The current inquiry is broad and includes the synthetic resin, chemical and varnish industries. A lot of this acid is also finding an outlet in the industrial disinfectant production. Output of refined from all sources, including that derived from petroleum, amounted to 2,132,956 pounds in October.

Naphthalene — Supplies of crude have been kept low enough to create a tight market condition. While the major outlet has continued to be for use in the manufacture of phthalic anhydride, there has been an active demand for intermediates, chlorinated waxes and tanning agents. Refined material has remained in exceedingly short supply. Production of crude from tar distillation, solidifying at less than 79°C., was 17,207,848 pounds in October. The refined production for material solidifying at 79°C., and over, was 7,670,410 pounds.

Phenol—Heavy demand for phenol-formaldehyde resins is taking a lot of current production and there is also considerable buying interest noted for chemicals, intermediates and solvents. The supply position is tighter than at the beginning of the month. The combined production of technical and USP in October was 15,565,258 pounds. This includes both synthetic and natural.

Toluol—Prompt shipments remained available in one of the few markets that is well-stocked at the present time. Dyes and intermediates have shown interest in pure while the industrial grade has moved into channels reaching solvent requirements for lacquers and synthetic enamels. Aside from that made from coke-oven operations, the production reached 1,696,004 gallons in October.

Xylol—Supplies have been kept at a distinctly low level through persistent buying for lacquers, varnishes and enamels. The relatively small production of this material has made it impossible to build up stocks under the present extent of buying interest.

Chicago, Jan. 18.—Orders for coaltar bases were of good dimensions. Movement has been about unchanged in total volume. Buying generally was good, with supplies somewhat spotty and buyers generally exhibiting a fair amount of interest. Benzol was in good call. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, 15c. per gallon; 10-degree xylol, same basis, 30c.; industrial xylol, same basis, 26c.; 2-degree toluol, same basis, 27c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Supplies have remained at a level that has permitted prompt shipments of most of these solvents. The relatively tight spots are in the methyl varieties. The pronounced scarcity of fats and oils has cut down the use of cyclohexanol as a solvent in this direction, but a moderate miscellaneous movement was noted for printing ink and lacquers. Makers of synthetic and natural resins showed some interest in cyclohexanone.

Coaltar Acids

Anthranilic — There seemed to be enough of this acid to meet dyestuff and intermediate requirements, but the supply position could not be described as free. Gradual improvement in the inventory position is expected as the year progresses.

Broenner's—Supply remained relatively tight, with little material left over after regular consumers covered requirements.

Cleve's—Movement to regular consumers is taking current production in sufficient quantities to prevent any easement in the supply position.

Fumaric—Buying interest continued active, although the current shortage of stocks has curtailed new business. There is a large accumulation of backlog orders for protective coatings and affiliated industries to be satisfied.

Maleic—Position similar to fumaric acid. Demand for synthetic resins and

Coke By-Products

Estimates of by-product coke-oven operations in the week ended January 12, indicate the following output of by-products from that source:—

Ammonia liquor NH_3	lbs.	870,533
Ammonia sulphate	lbs.	22,542,210
Benzol	gals.	2,840,685
Coaltar	gals.	10,538,025
Creosote oil	gals.	586,464
Naphthalene	lbs.	1,392,852
Phenol	lbs.	164,943
Toluol	gals.	568,137
Xylol	gals.	128,289

For Late Market Developments, See Page 4

Synthetic Phenol

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IN ADDITION TO the Natural Phenol Koppers has been providing for years . . . *Synthetic Phenol* is offered.
This new synthetic phenol has a melting point guaranteed to be higher than 40°C., and in all respects meets U.S.P. requirements.
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KOPPERS
THE INDUSTRY THAT SERVES ALL INDUSTRY

protective coatings is more than present production can supply, and the market's position is definitely tight.

Other Intermediates

Anilin—Stocks made it possible to book fairly prompt shipments of anilin oil during the past week. The inventory position showed a tendency to improve but the heavy demand kept the improvement gradual. October production registered 6,468,661 pounds.

Diethylanilin—Not in free supply but in somewhat better shape than a month ago. Ability to secure more basic materials has facilitated production.

Metaparacresol — Short under a heavy demand, mostly for use in synthetic resins. October production amounted to 470,027 pounds.

Monochlorobenzene—Available and getting in better shape. In October, 16,115,518 pounds were produced.

Orthometaparacresol—Supply tight under stringent conditions in basic material. Demand continued active for use in synthetic resins, tanning agents and insecticides. October production was placed at 617,702 pounds.

Phthalic Anhydride—October production figures show another decline, but there seems to be enough material to meet consuming requirements without much difficulty. Labor disturbances have been reflected in some shading of demand for automobile finishes and other finishes of the enamel variety but there was no easement in the inquiry for lacquers and the ester type plasticizers. Export inquiry was also reported active. Production in October amounted to 8,065,675 pounds, compared with 9,567,194 pounds in September and 11,283,743 pounds in August.

Coaltar Colors

Production of coaltar colors has continued to show gradual expansion and the civilian assortment is broader although demand in some instances is exceeding output. Production figures for October showed 820.246 pounds of direct black EW-C.I. 202. In C.I. 1114 anthraquinone vat blue BCS-20 percent, the production amounted to 141,470 pounds. Output of F.P. 302 naphthol AS was 95,164 pounds.

Washington Talks It Over

—Continued from page 5

means of transportation; but, even so, there are twenty-one States in which the number of physicians actually declined while population increased.

From all angles it appears to the department that this is one of the most fertile fields of any for returning veterans and young people in schools to get into. And the chances of a successful livelihood are even more enhanced when consideration is given to the probable increased need for physicians to care for veterans and to carry out the President's national health program, if it goes through.

Export Trade Information

Another of Secretary Wallace's plans to pep up the Department of Commerce and give more aid to business has just been brought to light. The department announces that it will soon issue a series of "short market reports" giving essential information on foreign demand in individual countries for various United States products. They will be part of the industrial reference service.

The reports are designed for use of American exporters and will discuss foreign demand for many types of merchandise, such as dentifrices, rubber soles and heels, woven wool piece goods, and iron and steel rods. They are based on surveys made on the spot by foreign service officers abroad.

The first of the series will cover Latin America. Others are being prepared on the United Kingdom, Sweden, Switzerland, Spain, Portugal, Turkey, Australia, British India, and New Zealand. They will give statistics on domestic production consumption, imports, exports, import duties and regulations, channels of distribution, and potentialities for U. S. trade in particular commodities.

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Du Pont Honors 'Research Associates'

W. S. Carpenter, jr., president of the E. I. du Pont de Nemours & Co., and B. M. May, general manager of the rayon department, congratulate the first three scientists promoted under a plan for a new series of du Pont research positions designed to make science as a career as attractive as the administrative field in research. The plan provides for three classifications of "research associates" with unusual individual prerogatives in selecting fields of research and exploring the fundamental frontiers of knowledge, without the usual distraction of administrative routine.

Left to right: Dr. E. V. Lewis of the Nylon Research Section, Wilmington, who became a junior research associate; Dr. W. E. Roseveare, research supervisor in charge of the basic research group of the Viscose Rayon Research Section at the Spruance Plant, Richmond, Va., appointed a research associate; Dr. E. F. Izard, pioneering research section at the Yerkes Plant, Buffalo, N. Y., also a research associate; Mr. Carpenter and Mr. May.

Metalsalts Buys Site For N.J. Plant Expansion

The Metalsalts Corporation, Paterson, N. J., in conjunction with the Inter Chemical Corporation, have purchased a 32-acre tract of land in Hawthorne, N. J., which will be their permanent home. W. M. Stieh, president of the Metalsalts Corporation, has announced that construction of plant will commence as soon as possible and plans are being made for additional units for the production of items now in pilot plant stage.

The property is situated on the Passaic river, has approximately 1,500 feet of railroad siding, 1,000 feet of main highway frontage, and is located near its present Paterson plant. The Metalsalts Corporation and affiliates have plants in New Jersey, Illinois, and Iowa, the latter being a Defense Plants Corporation project which is in the process of being returned to the government.

Burdsall Joins Calco

The Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J., has appointed John E. Burdsall as sales representative of its Heller & Merz department, in the Miami Valley territory. He will maintain his headquarters at the Heller & Merz office of the company in Chicago.

Scorelle & Son Organized

The firm of Scorelle & Son has been formed with offices at 70 Wall street, this city. Formerly the business was conducted by M. J. Scorelle. The organization will handle olive oil, olive oil foots, vegetable oils and foodstuffs.

Fertilizer Tag Sales: Year

	Equivalent tons		
	1943.	1944.	1945.
Virginia	487,038	515,578	594,820
N. Carolina....	1,414,454	1,369,751	1,512,013
S. Carolina....	890,493	799,083	822,875
Georgia	1,083,488	1,039,679	1,105,564
Florida	719,290	824,500	908,651
Alabama	780,050	674,400	722,500
Mississippi	495,239	417,624	403,557
Tennessee	230,818	271,545	277,090
Arkansas	182,865	131,083	126,650
Louisiana	214,768	216,245	239,560
Texas	186,510	204,599	229,828
Oklahoma	21,488	20,708	25,072
Total South..	6,706,501	6,484,705	6,968,189
Indiana	496,880	480,421	548,295
Illinois	111,315	185,565	257,014
Kentucky	164,038	246,119	282,154
Missouri	95,592	146,504	160,024
Kansas	16,324	38,521	38,145
Total Midwest	883,649	1,097,130	1,285,612
Grand total.	7,590,150	7,581,835	8,253,801

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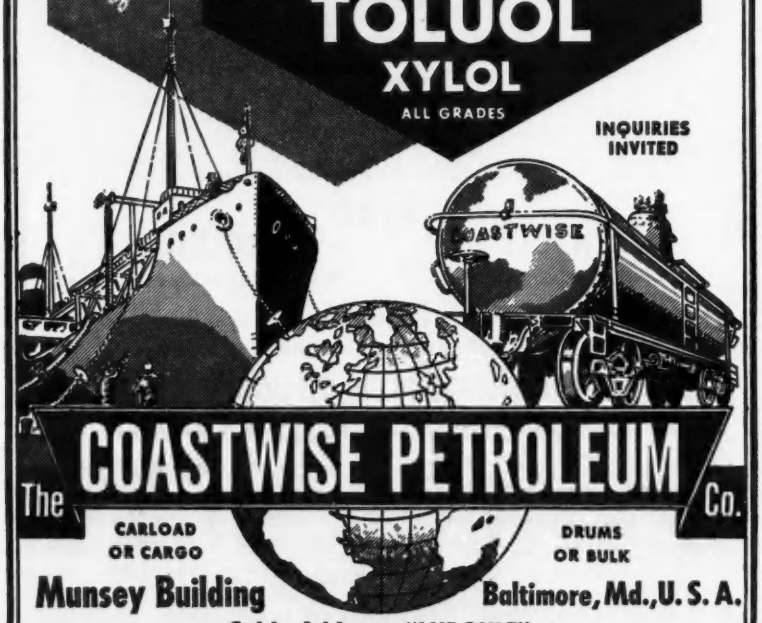

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Textile and Leather Chemicals

Production of corn derivatives was set back by a labor strike which closed down three plants in the West of a leading corn processor during the week. Other producers were not affected by the strike, through an agreement made with the union, whereby they were not to supply the customers of the company whose plants were closed. Light corn receipts also continued to curtail the output in the plants under operation. Output of potato starch was curtailed by the small supplies of cull potatoes delivered to mills in Maine which has virtually stopped production there. Idaho mills were reported working close to capacity. Demand for potato starch still exceeds the supply.

A firmer tone has developed in tanstuffs for shipment from producing centers. Tanners were said to have increased their interest in replacements for nearby delivery, but offerings for shipment continued scarce. Advices from the Argentine stated that shipments of quebracho extract were held up by the general strike in progress there. Wattle bark and extract, divi divi and myrobalans commanded increased buying interest.

OPA issued formal notice January 14. of proposed price ceilings on the 1946 crop of raw cotton. The agency added that if the price of cotton becomes stabilized before the harvesting season, it may not be necessary to put the ceilings into effect. The proposed ceilings paid growers would be based on 24.09 cents per pound for 15-16 inch middling cotton produced in the western parts of North and South Carolina, designated as area one, with adjustments for other areas based on grade and freight charges to Memphis.

Chemicals

Alumina Acetate — Trading was mainly for prompt requirements. Supplies were fairly liberal and adequate to meet consumers needs. Prices ruled steady.

Bichromates—Withdrawals against contracts were in active request. Market was unchanged and firm. Export demand continued urgent with business restricted owing to scarcity of offerings for shipment. Quotations were well maintained at ceilings.

Potash Prussiate—Market remains steady, with consumers absorbing sizable lots on prior orders.

Soda Hydrosulphite—Trading was limited to actual needs, though an active call continued for delivery on prior contracts.

Sulphonated Oils—No. 1, No. 3 and dehydrated bodied grades of castor oil may be sold on an open billing arrangement, pending a study of increases in price ceilings by OPA, it was announced January 15. Crushers recently withdrew from the market, owing to higher prices for castor beans which brought the production costs above prevailing oil ceilings. Other sulphonated oils were in limited supply and firm.

Dyestuffs

Annatto—Small lots were in fair request. Supplies were not liberal and held at former levels.

Madder—Trading was mainly for occasional small lots for immediate needs. Prices were unchanged.

Sizing Materials

Albumen, Blood—Demand continued of good volume and absorbed the bulk of the output at current levels. Prices were well maintained. Soluble blood dried also was in good request.

Albumen, Egg—Business was reported moderate and mainly for immediate requirements. Stocks continued light and little improvement was expected in the tight supply situation until March, when the new season's production is scheduled to begin. The sale of 3,350 pounds of technical egg albumen was reported at 65c. per pound, in 5-pound containers, f.o.b. Granite City, Ill., by the Department of Agriculture, December 12.

Dextrin, Corn—Production was further curtailed by labor strikes which shut down three plants operated by a leading producer in the West during the week. It was reported that the dearth of corn receipts would have forced the closing down of some of the plants before the strike started. Other processors were not affected by the strike, but were operating at reduced schedules owing to the scarcity of corn.

Egg Yolk—Limited supplies to restricted business during the week. Inquiry was active, with sales mostly confined to small lots for prompt delivery. Prices were firm at ceilings.

Starch Corn—Labor troubles caused the shutting down of three plants of a leading producer in the West. Other processors were affected by the strike, as they had made an agreement with the union not to make deliveries to the customers of the company closed by the strike. Demand against former orders continued urgent. Offerings of cash corn continued light from the country. Illinois and Iowa total corn stocks were 620,000,000 bushels on January 1, a decline of 102,000,000 bushels compared with a year ago. Normally the two states furnish 50 percent or more of the commercial corn of the country. Visible corn supply decreased 485,000 bushels for the week ended January 12, and totaled 9,295,000 bushels, against 13,959,000 bushels for the same time last year. The corn grind of eleven refiners of starches, syrups, sugars and other derivatives for domestic use totaled 10,741,217 bushels during the month of December, compared with 10,461,767 bushels for the same period in 1944. No purchases of corn starch were made during November by the Department of Agriculture. Purchases totaled 73,208,570 pounds from January 1 through November 30.

Starch Potato—Light deliveries of culls to mills in Maine have virtually stopped production, it was reported. Producers were endeavoring to obtain larger supplies of potatoes through government agencies. Production has been sold up and supplies were scarce. Market was firm at ceilings.

Starch Sweet Potato—This market was quiet. Supplies were unavailable. A large plant in Florida was not operated owing to production difficulties. Department of Agriculture recently suggested a goal of 750,000 acres planted to sweet potatoes in 1946, which is 5 percent larger than the acreage planted in 1945 and 1 percent above the five-year average. Under average growing conditions the goal acreage is calculated to produce a crop nearly as large as that of last year.

Tapioca Flour.—Arrivals totaled 21,600 bags during the week, for delivery against old contracts. Market was quiet, in the absence of stocks.

Tanning Materials

Divi Divi—Conditions continued firm during the week. Offerings from primary markets were scarce and quotations well maintained at current levels. Inquiry has improved for nearby shipment.

Myrobalans—Tanners displayed more interest in replacements. Business was inactive. Primary markets were reported firm and offerings scarce.

Quebracho Extract—Recent arrivals have increased tanners' inventories. Advices from the Argentine stated that shipments were held up by the general strike which stopped all shipping. Inquiry for replacements continued fairly active. Prices were steady at ceilings.

Wattle Bark—Reports from Africa indicated a short supply of bark and extract. Inquiry for prompt and nearby shipment was more active. Quotations were firm at ceilings. Trading was limited.

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
308.0	305.5	305.5	284.0

(For Current Prices see page 9)

ALBUMENS

OPD—1-21-1946 49

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Drugs and Fine Chemicals

Prices held steady last week in the market for drugs and fine chemicals. Even articles recently in rather sensitive price position—such as quicksilver and codliver oil—lacked quotable change. Menthol was lower.

News from Hawaii said that production of citric acid by the Hawaiian interests had continued despite the war, though output did drop slightly because of drought in the islands sufficient to curtail the production of fruit. Local sellers of Hawaiian acid said they were expecting an arrival of acid shortly—the first for a long period of time.

Production data was issued by the U. S. Tariff Commission during the week. The figures covered October production of acetanilide, acetone, acetysalicylic acid, barbituric acid and its derivatives, butyl alcohol, dibutyl phthalate, ethyl acetate, ethyl ethers, formaldehyde, methanol, penicillin, sulphathiazole and a total of all other sulpha drugs, riboflavin, ergosterol, and ascorbic acid. Production data on alcohol, covering November, 1945, and 1944, in comparison, was issued by the Alcohol Tax Unit, Treasury Department. The figures appear in the succeeding market reports.

Castor oil prices are going higher if the Office of Price Administration acts along lines desired by the producing industry, that today is paying fancy prices for beans in Brazil. The new schedule is expected in two or three weeks. OPA meanwhile permits producers to sell oil on open billing, subject to the coming higher ceiling prices. At the moment, the limited Brazilian production of castor oil is playing a substantial role in affairs in this country.

News from the quinine country of Java was all bad last week and reconstitution of international trading in cinchona bark and quinine derivatives is being hampered sorely by fighting between some natives and occupational troops.

Vitamin D patents became public property during the week. A Federal court acted after the Wisconsin Alumni Foundation and seventeen other defendants in an antitrust action signed a consent decree to which the judge gave signed approval.

Acetanilide—Production of technical and U.S.P. material in October totaled 643,965 pounds, according to the first report for this year issued by the U. S. Tariff Commission.

Acetone—According to the U. S. Tariff Commission report for October, production in that month totaled 17,321,940 pounds.

Acid, Acetylsalicylic—October production totaled 1,010,833 pounds, according to the U. S. Tariff Commission.

Acid, Citric—Information from Hawaii states that production of citric acid continued throughout the war without interruption. The only decline had been due to reduced fruit tonnages, caused by prolonged drought conditions, and this decline was reported comparatively light. Inquiry in this market revealed that some sellers of Hawaiian citric acid are now awaiting the first shipment of acid to be exported from the Islands for a very long period of time.

Acid, Tartaric—Conditions likely to produce more tartaric acid for lower prices in this country are none too favorable. The arrivals of crude material from foreign parts remain comparatively low and their cost is more than comparatively high. Spain appears able to ship acid to this country at a cost that permits agents of the shippers to undersell the domestic manufacturers by a substantial margin and the imported article is not hard to obtain. During the past week, 636 packages of calcium tartrate arrived here from Buenos Aires, Argentina.

Alcohol—Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, has released its comparative statistics on ethyl alcohol, including spirits and unfinished spirits, for the month of November. The figures follow:—

Market Trends

Prices Advanced

None

Prices Reduced

Menthol, 20c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
206.7	206.9	207.7	232.4

For Current Prices see page 9.

Alcohol Data: Nov.

	Proof Gallons 1945	1944
Production	28,015,674	96,352,191
Withdrawals	33,509,918	96,006,945
Stocks, Nov. 30.....	148,260,640	137,433,507

The Unit stated that production of completely denatured alcohol totaled 1,671,124 wine gallons in November, 1945, compared with 1,188,985 gallons in November, 1944, withdrawals were 1,736,219 gallons (Nov. 1944, 1,134,852 gallons); stocks on November 30 totaled 47,442,130 gallons in 1945, comparing with 130,184 gallons in 1944.

Operations in specially denatured alcohol were:—Production, Nov. 1945, 10,388,389 wine gallons (Nov. 1944, 43,143,857 gallons); withdrawals, 13,736,347 gallons (Nov. 1944, 36,850,568 gallons); stocks, Nov. 30, 1945, 18,796,715 gallons (Nov. 30, 1944, 20,819,492 gallons).

Aloe—During the past week, 375 packages of this item arrived here from Porto Cabello. The reserves held by dealers were small and it was intimated that much of the arriving gum had been sold into consumption prior to reaching here. Prices were strongly maintained.

Butyl Alcohol—October production of primary, normal butyl alcohol totaled 5,906,393 pounds, according to figures supplied by the U. S. Tariff Commission.

Caffeine—During the period, 50 barrels arrived here from Brazil. Stocks of alkaloid were somewhat imported but there was still a ready market for every pound that might appear on the open market.

Castor Oil—The Office of Price Administration on January 15 ruled that three grades of castor oil for industrial purposes may be bought and sold on an open-billing basis pending a ceiling price increase. Leading producers indicated last week that the pending action by OPA is not likely to be taken earlier than two or three weeks. One of the largest factors has informed his customers that the new ceiling will not be more than 2c. above the present official OPA schedule and has been taking orders on that understanding.

Arrivals of castor beans here last week totaled 5,299,350 pounds. The total received thus far this year is now 13,312,200 pounds, which compares with 2,243,850 pounds for the corresponding period in 1944.

Chicago, Jan. 16.—Castor oil prices are:—Cold press, U.S.P., 13¾c. per pound, returnable drums, carlots; 14½c., drums, less than carlots; 13c. tanks; No. 3, extracted, 13½c. per pound, drums, carlots; 14¼c., drums, less than carlots; 12¾c. tanks.

Codliver Oil—Much of the world's hope for ample stocks of codliver oil hinge on two conditions. First, money with which to buy 1946 production and, second, excellent results on the foreign fishing banks this season. High potency oils are quite scarce on this market at this time but this aspect of affairs is likely to change if Norwegian production reaches its goal. Minimum U.S.P. oil is in very good supply and the market is reasonably easy and the subject of considerable competition at times.

Dibutyl Phthalate—October production totaled 807,719 pounds, according to a report by the U. S. Tariff Commission.

Ethyl Acetate—October production of 85 percent material reached 7,329,352 pounds, according to a report of the U. S. Tariff Commission.

Ethyl Ethers—October production of technical and U.S.P. materials totaled 2,963,871 pounds, according to the U. S. Tariff Commission.

Formaldehyde—October production of 37 percent by weight material totaled 31,934,286 pounds, according to the U. S. Tariff Commission.

Fishliver Oils—The Production and

For Late Market Developments, See Page 4

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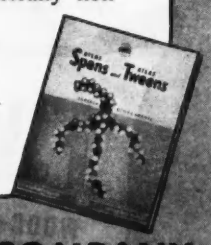

CHEMICALS ATLAS EXPLOSIVES
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Marketing Administration, Department of Agriculture, on January 4 bought 6,600 pounds of halibut liver oil at $8 per pound. Potency was 60,000 A and 600 D. The same administration of January 3 sold 763,000 grams of 40,000 potency shark liver oil at 14c. per million units vitamin A.

San Francisco, Jan. 16.—Demand continues to run ahead of production in the vitamin oil market. All potencies are in good demand.

Glycerin—There is not much progress to be reported on the trend back toward larger supplies and better deliveries of all varieties of glycerin. Until oils and fats shall be in larger supply, relief from scarcity of glycerin must remain merely a hoped for development. Meanwhile, most transactions are at price ceilings and a strong undertone rules the spot.

Chicago, Jan. 16. — Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17¼c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcar; 18¼c., drums, carlots; 18¾c., drums, less than carlots.

Menthol—Spot goods were down to $4.45-$4.55 per pound. Production of the 1946 crop of Brazilian menthol is underway and representatives of shippers have intimated that in all probability the total output will be considerably less than that in 1944. In this country, the natural product is likely to encounter increasing competition from synthetic menthol. Consequently, just how the market will readjust itself to the addition of Japanese production to other output in the world remains to be developed. Arrivals totaled 198 cases from Brazil.

Methanol—October production of natural methanol totaled 1,487,360 pounds, while that of synthetic material reached 3,388,528 pounds. Previously, statistical data about both natural and synthetic methanol had been given in gallons, so comparisons with previous operations becomes difficult.

Phenobarbital—October production totaled 29,747 pounds, according to the latest figures issued by the U. S. Tariff Commission.

Penicillin—The U. S. Tariff Commission reports October production at 791,636 million Oxford units of this item.

Pentobarbital—The October output was 877 pounds, according to figures issued by the U. S. Tariff Commission.

Quicksilver—Values hold very firm. Stocks were light at all points and much of the at present reduced output at the mines is owned before ore is processed. Trading in futures takes up potential production well ahead.

San Francisco, Jan. 16.—The quicksilver market here this week was steady, and prices remained unchanged. However, little spot metal was available. Metal was being quoted between $105 and $110 per flask, f.o.b. this city.

Quinine—All of the news from the Far East and Java was bad last week. It was all of a sort suggestive of no early resumption of major production of quinine and operation of the cinchona estates to the best advantage of all.

Riboflavin—According to the latest release of the U. S. Tariff Commission, October production totaled 11,372 pounds.

Sugar—A 400,000 tons decrease in world production in 1945-46 in comparison with 1944-45 output is forecast by the Office of Foreign Agricultural Relations, Department of Agriculture. World output of beet and cane sugar is estimated at 27.8 million tons, raw value. The 1944-45 output was 28.2 million tons and 6.5 million tons below the 1935-1939 average. Reports current last week took the position that unless sugar prices are raised, production will be even smaller than current estimates. Immediate price increase of ½c. per pound, it was said, would make it possible for this country to buy 1946 Cuban production and sell it in this country without loss. Authority to sell sugar at a loss is a government prerogative that has now expired.

Sulpha Drugs—October production of sulphathiazole totaled 160,694 pounds, according to the U. S. Tariff Commission. October production of all other sulpha drugs totaled 300,029 pounds.

Vitamins—October production of arcorbic acid and salt totaled 114,783 pounds, according to the U. S. Tariff Commission. Output of vitamin D_2 was 2,073,501 million U.S.P. units. During the week vitamin D_2 patents held by a research foundation at the University of Wisconsin became public property under a consent judgment that terminated the civil anti-trust suit against the Wisconsin Alumni Foundation and seventeen other defendants.

Althausen Joins Fritzsche

Fritzsche Brothers, Inc., essential oils and aromatic chemicals, New York, has named Dr. Darrell Althausen head of the new products department with offices and laboratories in Clifton, N. J. Until recently Dr. Althausen saw active service as a major with the Chemical Warfare Service and in the Subsistence Research and Development Division of the U. S. Army Quartermaster Corps.

Emerson Buys Jeurelle, Inc.

Emerson Drug Company, Baltimore, has purchased Jeurelle, Inc., distributor of 'Jeurelle' perfumes and bath preparations and 'Seventeen' cosmetics.

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McK.&R. Names Export Div. Vice-Pres.

Richard L. Hanson has been appointed vice-president in charge of the export division of McKesson & Robbins, Inc., New York, according to George Van Gorder, executive vice-president. Mr. Hanson was formerly vice-president and manager of the Providence (R. I.) division of the company and president of the McKesson Liquor Company, Rhode Island. He entered the wholesale drug business in 1922 as manager of Charles Leich & Co., Evansville, Ind.

Richard L. Hanson

Mr. Hanson has been active in the National Wholesale Druggists' Association, having held office as vice-president and member of the board of control. During the war he served in the Medical Administrative Corps of the U. S. Army, specializing in drug purchases. He succeeds John T. Stebe, who retired on January 1, after fifty-three years of service with the company.

Shoemaker Joins Rorer, Inc.

William H. Rorer, Inc., pharmaceutical chemists, Philadelphia, has announced the addition of William Guy Shoemaker, 2d, to its staff. Mr. Shoemaker, a graduate of Philadelphia College of Pharmacy and Science, for the past three years has been chief pharmacist at the Woman's Medical College Hospital, Philadelphia, and has taught in the college as well. The company recently paid a Christmas bonus of six percent of present salary to every inside and office employee as a Christmas present.

Distribution Bureau Formed by N.Y. State

Creation of a Bureau of Distribution in the New York State Department of Commerce, with Charles H. Nelson, former comptroller of William H. Freer & Co., of Troy, as director, has been announced.

The new bureau has as its immediate program the dissemination of information and assistance to retail, wholesale and service enterprises with special emphasis on marketing information, accounting and record-keeping, store location, display, personnel selection and training. Attention will be directed to an information and consulting service for returning veterans who wish to enter business.

Mutual Wholesale Drug Buy Portland Building

The Mutual Wholesale Drug Company has purchased a three-story brick structure at North Broadway and Wheeler streets, Portland, Ore., for use as headquarters. Cost of the building and remodeling will call for an expenditure of $65,000.

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Gen. Loucks Appointed CWS Research Head

OPD Washington Bureau

Appointment of Brig. Gen. Charles E. Loucks as director of research and development for the Chemical Warfare Service, is announced by the War Department. He succeeds to the post left vacant when Maj. Gen. Alden H. Waitt was appointed chief of CWS. Col. Jacquard H. Rothschild, who has been acting director of research, will continue as chief of the CWS technical division.

Recently returned from Tokyo, where he was chief chemical officer to General MacArthur, General Loucks supervised the disposition of chemical-warfare supplies in the Pacific theater and the examination and evaluation of captured Japanese chemical-warfare equipment. In an earlier assignment as chief chemical-warfare field representative in Manila he was responsible for supplying the Army in the Pacific with chemical-warfare material.

General Loucks was born in Mayfield, Cal., June 29, 1895. He attended Stanford University and was commissioned a second lieutenant, Coast Artillery Corps, in 1917, attaining the rank of captain in the 40th Coast Artillery (Railway) Regiment during World War I. Following service in the Philippines, 1920-21, General Loucks served at numerous posts in this country, transferring to CWS in 1925. In 1931 he received a master of science degree in chemistry from the Massachusetts Institute of Technology and subsequently as technical director of Edgewood Arsenal supervised the development of smoke, gas, and incendiary weapons.

He was awarded the Distinguished Service Medal and the Legion of Merit for his services as chief, Industrial Division, Chemical Warfare Service, in 1944.

CCC Commodity Stocks

OPD Washington Bureau

Inventories of basic commodities owned or held as loan collateral by the Commodity Credit Corporation and of general commodities owned by CCC are reported by the Department of Agriculture, on the basis of reports received through December, to have included at November 30 the following stocks:—

Basic Commodities

	Owned outright	Held as collateral
Cotton linters.....lbs.	126.841	.....
Flaxseed .....bus.	878	130.482
Oil, coconut.....tons.	49,831	.....
Cottonseed .....tons.	55	.....
Linseed .....tons.	5,854	.....
Neatsfoot .....tons.	234	.....
Palm .....tons.	97	.....
Palmkernel .....tons.	10,025	.....
Rapeseed .....tons.	2,926	.....
Sardine .....tons.	456	.....
Sunflower seed....tons.	324	.....
Tung .....tons.	362	.....
Oils, vegetable (1944)... lbs.	6,480,900	.....
(1945) .....lbs.	5,900,000	.....
Peanuts .....tons.	43,509	6,563
Rosin .....dms.	.....	6,241
Soybeans .....bus.	*12,740,244	3,539
Turpentine .....gals.	1,523,748	.....

* Including stocks held by processors for repurchase from CCC.

General Commodities

	Owned outright
Acetic acid, glacial, U.S.P.....lbs.	136,120
Baking powder.....lbs.	271,752
Citric acid, gran.....lbs.	1,100
Diastatic enzyme.....lbs.	4,600
Fertilizers, insecticides, etc....lbs.	115,532
Fishmeal .....lbs.	118,900
Flavoring extracts, food colorings, etc. .....tabs.	* 2,925,000
Hops .....lbs.	34,716
Lard and other animal fats....lbs.	46,502,042
Milk, dried.....lbs.	134,109,611
Naval stores.....lbs.	768,668
Oils, vegetable.....lbs.	2,331,576
Oleomargarin .....lbs.	26,134,647
Pectin, dry.....lbs.	38,300
Rennet powder.....lbs.	2,881
Salt .....lbs.	210,932
Shortening .....lbs.	4,727,608
Soap and related products.....lbs.	19,986,924
Soapstocks .....lbs.	60,321
Soybeans .....lbs.	795,900
Starch, laundry.....lbs.	289,488
Vitamins and preparations.....lbs.	722,534
kilos.	3,497
M/U.	8,428,307
Tablets .....lbs.	345,319,000
Yeast .....lbs.	66,152
Tablets	2,232,000

Bennett Joins Bloomfield Chemical

Lieutenant-Commander Harvey Scofield Bennett, USNR, who was discharged from the Navy in September after five years' service, has joined the Bloomfield Chemical Company manufacturer of protective coatings, Harrison, N. J. Commander Bennett entered the Navy immediately upon his graduation from Harvard University in 1940.

Strong-Cobb Entertains Drug Trade Press

The Strong-Cobb division of Standard Brands, Inc., comprising the bulk pharmaceuticals, agricultural, malt and diastafor, and private formula departments, held a sales conference January 7 to 9 in the Hotel Lexington, New York. An added feature was a series of luncheons for guests from outside the organization. The three groups thus entertained were (1) representatives of the drug trade press and national trade organizations, (2) representatives of manufacturers of pharmaceutical chemicals and essential oils, (3) representatives of wholesale distributors.

The first group was entertained Tuesday, about a dozen in all. A special item of the luncheon was that all articles of food and drink were wholly or in essential part Standard Brands products.

After the coffee, George Miller, president of the Strong-Cobb division, spoke briefly in a review of developments which supported his opinion that the drug industry faced an excellent opportunity for the advancement of its ethical, or professional, interests. Mr. Miller included among his suggestions of professional opportunities an earnest advocacy of the better providing and distributing of medical care by way of planning and organized service. He warmly supported the movement to fit medical service more adequately to the needs of the people as a whole.

Blake to Succeed Bent As Kodak, Ltd., Head

Walter G. Bent ,chairman of the board of Kodak, Ltd., England, general manager of European countries, has retired.

Ernest E. Blake, deputy board chairman, has been named to succeed Mr. Bent, and Donald McMaster, assistant deputy board chairman and general manager of European factories, has been promoted to deputy board chairman. Mr. Bent will continue as a member of the Kodak, Ltd., board of directors.

James Stuart Duncan, president of Massey-Harris Company, Ltd., Toronto, has been elected a director of the International Nickel Company of Canada, Ltd., to fill a vacancy on the board.

Hanner Named Director Of Nutrition Laboratory

OPD Washington Bureau

Karl C. Hanner has been appointed director of the Department of Agriculture Plant, Soil, and Nutrition Laboratory at Ithaca, N. Y. He succeeds Dr. L. A. Maynard, who had been director of the laboratory since it was established in 1939. Dr. Maynard will return to Cornell University, but he will continue his relations with the laboratory as a consultant in animal and human nutrition.

Dr. Hanner has been on the staff of the laboratory since its beginning. He was employed in the Bureau of Plant Industry from 1935 to 1940, when he went to Ithaca. The work of the laboratory is directed toward finding relationships between the soil and nutrition of plants, animals, and humans. It is conducted in cooperation with several State agricultural-experiment stations.

Tenn. Eastman to Build

Tennessee Eastman Corporation plans to erect a two-story addition to its administrative office building at Kingsport, Tenn., at a cost of $300,000.

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MM&R Holds Sales Conference

Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals, New York, held a conference of its sales representatives, executives and technical personnel from all over the country in the Hotel Warwick, New York, January 4 to 6. Percy C. Magnus, president of the company, told the meeting that 1945, the firm's fiftieth anniversary year, marked the biggest year in its history, with volume at an all-time peak, despite serious shortages of many important oils.

Talmadge B. Tribble, vice-president in charge of the Chicago office, charted the potential for essential oils and flavor and perfuming against the known volume figures. Using 2 percent as an average for flavoring and perfuming, Mr. Tribble arrived at a potential of approximately $60,000,000 for the essential-oil industry as a whole.

Other speakers included George H. McGlynn, treasurer of the company; William F. Fisher, general sales manager, and Sidney Matthew Weiss of the A. W. Lewin Company, advertising agent for the company.

The conference was concluded January 6 with a banquet at the Hotel Astor. Lt. Col. Harold G. Hoffman, former governor of New Jersey, was the principal speaker. A highlight of the evening's festivities was the presentation of a bronze plaque by the members of the MM&R sales force to the executives and employees of the company in commemoration of the fiftieth anniversary.

Sonneborn, Fowlkes Join American Oil & Disinfectant

Lt. Curt L. Sonneborn, until recently with the Army Air Forces in England, and George D. Fowlkes, returned Navy man, have been appointed to the sales staff of the American Oil & Disinfectant Corporation, New York. Lt. Sonneborn, joins the company as sales representative, covering Illinois, with headquarters in Chicago. Mr. Fowlkes joins the company as sales representative covering the Carolinas, with temporary headquarters in Charlotte, N. C.

Evans-Lescher-Webb Now Evans Medical Supplies

The firm name Evans Sons Lescher & Webb, Ltd., London, was officially changed to Evans Medical Supplies, Ltd., at an extraordinary general meeting of members of the company, held Nov. 30, 1945. The directorate, management, policy, and financial ownership remain unchanged. The business, founded in the City of London 125 years ago, now manufactures biological, fine chemical, and pharmaceutical products.

Ansul Chemical Names C.L. Johnson to Post

Clarence L. Johnson, a member of the sales staff at the Dugas office at Chicago for Ansul Chemical Company, Marinette, Wis., has been appointed manager of that office, effective January 1. He succeeds Floyd M. Duvall who has been transferred to Indianapolis, where he will be district manager of refrigeration sales.

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SPIRIT PEPPERMINT, U.S.P.

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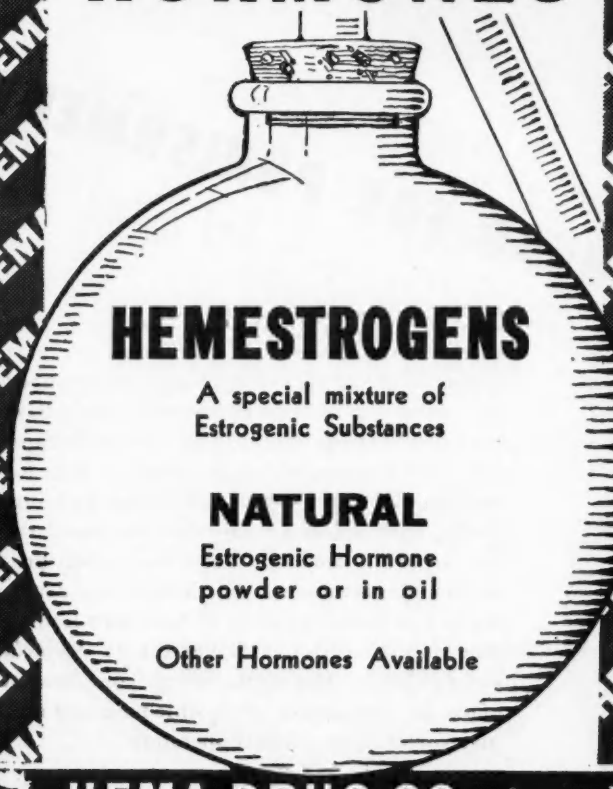

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Metallo-acetyl acetonates
(Combustion catalysts)

Phenyl Acetone
(Synthesis of pharmaceuticals)

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Recent Imports

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New York Imports

ACID, CRESYLIC—123 dms, J H Faunce
ALOE—120 tins, Wessel, Duval & Co
1'9 cs, W R Grace & Co
86 tins, W R Grace & Co
BABASSU KERNELS—84 bgs, **General Foods Corp**
BEEF EXTRACT—492 cs, **Armour & Co**
500 cs, Merck & Co
BLOOD, DRIED—536 bgs, 53,600 lbs, **Wilson & Co**
CAFFEINE, ANHYDROUS—50 bbls, Lo Curto & Funk
CALCIUM TARTRATE—636 bgs, 78,410 lbs, A F Lindner & Co
CASHEW KERNELS—23,000 lbs, W A Higgins & Co
575 cs, 28,750 lbs, A E Rittwagen & Co
1,399 cs, 69,950 lbs, J P Crosswell & Co
600 cs, 30,000 lbs, Finck, Jones & Co
908 cs, 45,400 lbs, General Foods Corp
950 cs, 47,500 lbs, Bowes & Co
536 cs, 26,800 lbs, Jacques, Missir & Co
41 cs, 2,050 lbs, E E Marks & Co
234 cs, 11,700 lbs, Zaloom & Co
227 cs, 11,350 lbs, Pandaleon Bros
185 cs, 9 250 lbs, A L Bazzini
547 cs, 27,350 lbs, National Nut Co
1,265 cs, 63,350 lbs, Mitchel, Beck & Co
CASTOR BEANS—26,879 bgs, 4,031,850 lbs, **Baker Castor Oil Co**
8,450 bgs, 422,500 lbs, Brown Linseed Co
CHALK, PRECIPITATED—10 bgs, Intercontinental Forwarding Co
CHILLIES—27 bgs, Otto Gerdau Co
70 bgs, Public National Bank & Trust Co
COCOA BEANS—150 bgs, 30,000 lbs, Wessel, Kulenkampf & Co
324 bgs, 64,800 lbs, Scholtz & Co
100 bgs, 20,000 lbs, Stern Morgenthau
COCOABUTTER—833 cs, Ernest Adler & Co
COCONUT, GR—200 cs, Overseas Trading Corp
50 cs, Vilco, Inc
CORK—10 bls, H S Dorr & Co
BOARD—5,674 cs, Armstrong Cork Co
WASTE—1,049 bls, Universal Transcontinental Co
COTTON LINTERS—513 bls, Kanders Steuber Co
COTTONSEED HULL FIBER—537 bgs, Hercules Powder Co
CUTTLEFISH BONES—1,650 cs, American Cuttlefish Bone & Crucible Co
FILTER PAPER—12 cs, H Reeve, Angel & Co
FULLER'S EARTH—272 bgs, L A Salomon & Bro
GLUE, BONE—1,100 bgs, Transatlantic Animal By-Product Co
200 bgs, Wessel, Duval & Co
GLUESTOCK—25 bls, W Reis & Co
GRAPEFRUIT PEEL—1 bbl, **Guaranty** Trust Co
GUM, COPAL—520 bgs, Newhall & Co
500 bgs, National City Bank
720 bgs, O G Innes & Co
260 bgs, H P Winter & Co
1,105 bgs, Balfour, Guthrie & Co
300 bgs
LABDANUM—8 cs, Peek & Velsor
20 cs, Geo Lueders & Co
LOCUST BEAN—250 bgs, Bank of New York
100 bgs, Brown Bros Harriman Co
PERILLA—461 bgs, Santo Domingo & Co
77 bgs, H A Astlett & Co
TEXTILE—60 cks, J P Marston & Co
HAIR, CATTLE TAIL—13 bgs, B B Smith
EAR—14 cs, International Commercial Co
HORSE—23 cs, F H Cone & Co
OX EAR—3 cs, M Samsonovich
IRON OXIDE—324 bbls, J Lee Smith & Co
90 bbls, E E Marks & Co
282 bbls, C K Williams & Co
70 bbls, Reichard-Coulston, Inc
67 bbls, C J Osborn & Co
JUNIPER BERRIES—49 bgs
LAVENDER FLOWERS—5 bls, Allaire, Woodward & Co
LEMON PEEL—10 bgs, R J Prentiss & Co
LICORICE ROOT—142 bls, W E Martin Co
MAGNESITE—7 cs, Allis Chalmet
MEDICINAL PREPS—5 cs, D F Young, Inc
42 cs, D C Andrews & Co
3 cs, Gondrand Shipping Co
MENTHOL—33 cs, Kachurin Drug Co
100 cs, C L Huisking & Co
40 cs, Brown & Williamson Tobacco Co
25 cs, Geismar & Co
MICA—291 cs, Ford Radio & Mica Corp
120 cs, United States Commercial Co
58 cs, Eugene Munsell & Co
12 cs, T D Downing & Co
80 cs, United Mineral & Chemical Co
60 cs, Mineral & Insulation Co
19 cs, American Mica Works
OIL, AMYRIS—3 dms, General Drug Co
CASTOR—200 dms, Balfour, Guthrie & Co
CINNAMON LEAF—4 dms, Colgate-Palmolive-Peet Co
COTTONSEED—300 dms, United States Commercial Co
CYMBARUM—44 dms, Otto Gerdau Co
44 dms Orbis Product Corp
ESSENTIAL—4 dms, P R Dreyer
1 cs, Lever Bros
LEMONGRASS—16 dms, Balfour, Guthrie & Co
LIGNALOE—17 cs, Magnus, Mabee & Reynard
MANDARIN—4 cs, Fritzsche Bros
OITICICA—243 dms, L N Jackson & Co
2 dms, C L Jones & Co
PETITGRAIN—50 cs, 6,770 lbs, P R Dreyer
ROSEWOOD—3 cs, Orbis Product Corp
6 dms, Leonard Hymes
6 dms, Roure Dupont
6 dms, Vinherma, Inc
11 dms, Felton Chemical Co
6 dms, Geo Lueders & Co
6 dms, Centflor Mfg Co
11 dms, Ungerer & Co
VETIVER—1 dm, Edwin Seebach Co
ORANGE PEEL—70 bgs, S B Penick & Co
55 bgs, J A Horn & Co
2,355 bgs, Guaranty Trust Co
OX GALLS—2 tcs, Eli Lilly & Co
PAPAIN—8 cs, C L Huisking & Co
PAPRIKA—100 bgs, 14,000 lbs, A G Dunn
100 bgs, 14,000 lbs, Chase National Bank & Trust Co
250 bgs, 35,000 lbs, M G Golembeck
50 bgs, 7,000 lbs, H Schoenfeld & Sons
100 bgs, 14,000 lbs, Knickerbocker Mills Co
100 bgs, 14,000 lbs, McCormick & Co
300 bgs, 42,000 lbs, J Navarre
50 bgs, 7,000 lbs, Credo Commodities Co
50 bgs, 7,000 lbs, Norwalk Mills
650 bgs, 91,000 lbs
PHOSPHATE ROCK—508 tons
SAGE LEAVES—30 bgs
SAVORY LEAVES—30 bgs
SESAME SEED—500 bgs, H S C Trading Co
SHARK LIVERS—20 bbls, Wilbur Ellis Co
TANKAGE, LIVER & GLANDULAR—509 bgs, International Commercial Co
TAPIOCA FLOUR—7,066 bgs, 1,059,900 lbs, Stein, Hall & Co
3,500 bgs, 525,000 lbs, Java American Export Co
1,667 bgs, 250,050 lbs, United States Commercial Co
1,000 bgs, 150,000 lbs, Morningstar-Nicol, Inc
6,646 bgs, 999,900 lbs, H S C Trading Co
1,100 bgs, 165,000 lbs, Gorman, Eckert & Co
605 bgs, 90,750 lbs, Geismar & Co
THEOBROMINE—219 cs, Lo Curto & Funk
THYME LEAVES—5 bgs, Allaire, Woodward & Co
40 bgs
UVA URSI LEAVES—65 bgs, Allaire, Woodward & Co
WAX, BEES—300 bgs, Credo Commodities Co
166 bgs, Strahl & Pitsch
80 bgs, Will & Baumer Candle Co
CARNAUBA—125 bgs, Wax & Rosin Product, Inc
375 bgs, Fred Henjes Jr
125 bgs, Wm M Allison & Co
218 bgs, American Cyanamid & Chemical Corp
202 bgs, W R Grace & Co
188 bgs, Bank of the Manhattan Co
85 bgs, Wessel, Duval & Co
48 bgs, Innis, Speiden & Co
67 bgs, Smith & Nichols
13 bgs, H S Dorf & Co
323 bgs, Baird Rubber & Trading Co
112 bgs, E A Bromond Co
77 bgs, Dillons Chemical Co
44 bgs, T F Washburn Co
13 bgs, Anascie Corp
OURICURY—115 bgs, Wessel, Duval & Co
304 bgs, American Cyanamid & Chemical Corp
240 bgs, W R Grace & Co
46 bgs, Avon Trading Co
ZINC ORE—8 cs, Ore & Chemical Corp

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food, drug and cosmetic act or did not comply with other customs regulations, included the following articles for the reasons stated:—

New York

Week Ended Jan. 11

Colombo root, 203 bags; insect bored.

Cumin seed (2 shipments), 693 bags; filthy.

Henbane leaves, 62 bags; filthy.

Medicinal preparations, 1 parcel; new drug.

Orange peel (4 shipments), 1,156 bags; moldy and wormy.

Peppermint oil, 32 cases; not U.S.P.

Sage leaves (3 shipments), 436 packages; filthy, not official variety.

Sassafras oil (2 shipments), 22 drums; not U.S.P.

Sesame seed, 1,660 bags; filthy.

Buffalo

Week Ended Jan. 11

Medicinal preparations, 1 parcel; false therapeutic claims, etc.

Dr. N. C. Thornton Joins Carbide & Carbon Staff

Dr. Norwood C. Thornton, plant physiologist, formerly with the Boyce Thompson Institute for Plant Research, Yonkers, N. Y., has joined the fine chemicals division of Carbide & Carbon Chemicals Corporation, a unit of Union Carbide & Carbon Corporation, New York, N. Y. He will assist in the study of the use of synthetic organic chemicals in various biological fields and similar applications.

Explosives Transportation Rules Suspension Extended

OPD Washington Bureau

Effective date of regulations governing the transportation of explosives contained in ex parte No. MC-13, No. 3666 and ex parte No. MC-3 has been postponed for another year until December 31, 1946, by the Interstate Commerce Commission. Postponement was at the request of the American Trucking Association and the American Petroleum Institute.

THE MARKET for "over-Niagara" barrels hasn't expanded much. But the variety of other jobs handled by Rheem steel shipping containers is surprising.

Once thought suitable for packaging only petroleum products and paints, these steel drums are now used by almost every branch of industry. Chemical plants, for example, use them for shipping volatile, toxic, and corrosive liquids. Food processors rely on specially lined drums to protect such fragile-flavored products as shortening and salad oils. During the war, steel drums proved the perfect container for overseas shipment of airplane engine parts. Packed with silica gel and hermetically sealed in the drums, these delicately machined parts were safe from damage by rough handling, moisture, and dust . . . arrived ready for instant use.

Inside and out, no other container protects like the flash-welded steel drum. And Rheem, with 20 years experience, knows how to adapt the steel drum to any practical purposes. Rheem steel containers are made by a nationwide network of plants . . . include a variety of sizes, closures, gauges, and linings. Find out from the nearest Rheem office how they can serve you.

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Foenugreek Seed	White Pine Compound
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Botanical Drugs, Spices, Gums

Substantial demand has returned to the local market in botanical drugs. Sellers reported an excellent volume of request and indicated that not only were botanicals in expanding request but, also, the call for gums and extracts was on the up side. Botanical insecticides shared in the more active market and the general undertone of the group reflected the gains in sales.

Pressure of demand revealed the strong position of goldenseal, lycopodium, rhubarb, and valerian. All closed the week at higher price levels and all escaped the blighting influence that undue competition often brings. Such competition was absent locally last week. There was also a stronger and higher market in decorticated Guatamala and India cardamom. India celery seed advanced sharply and still sold below replacement cables by about one-half cent per pound.

The feature of the arabic market was the reduction in price and the sales from surplus stocks as made by the Production and Marketing Administration, Department of Agriculture. Such sales were made at prices dealers here had all but forgotten—8.2c. to 10c. per pound, as compared with the present market at 12½c. for sorts.

The advance in Spanish saffron prices was slightly deceptive. It turned out that a buyer who recently bought spot goods at prices far under other quoters on Spanish flowers received goods packed in the United States—not in the original Spanish lithographed cans. Last week, goods in original containers fetched $3 more than the recently minimum quotations. The quality of both packings was declared to be very good.

Two newcomers to the local seed market appeared last week—Dutch yellow mustard seed, and Swedish blue poppy seed. News from Jamaica said that the Department of Commerce and Industry there would no longer guarantee Jamaica pimento to pass the Food and Drug Administration requirements in the United States—an answer to the recent detention of goods arriving from Jamaica.

Balsams

Copaiba — Sales could have been substantially larger than they were had stocks been current in sizable volume; demand was good but sellers had little to sell.

Fir — Oregon balsam remained firm at the recent rise to $2.50 per gallon. Canadian was fairly quiet as to demand but very steady in the matter of prices.

Barks

Cascara Sagrada—Shortage of lumber is expected to absorb much of the labor that ordinarily might peel cascara this year. Lumbering operations in the northwest woods is expected to leave little woods labor for other work. Some express concern over the prospects for the coming cascara crop.

Cocillana—Though prices were not generally quoted, odd lots turn up from time to time and command very high prices. Practically none remains in the country.

Lemon Peel—An arrival of 10 bags from Alicante, Spain, reaching a firm spot market where demand continued to be routine.

Orange Peel—During the past week, imports from Port au Prince, Haiti, totaled 2,480 bags and consisted of quarters and ribbons. The spot prices remained steady because of the inability of importers to buy cheaper at the source.

Beans

Vanilla — Higher prices are asked officially by the French Government whose ideas are around $2 per kilo above prices last paid for French vanilla in the islands. Importers here view the request as excessive and talk about a possible $1 upping of prices. Such a rise has been proposed in Paris. Estimates on the coming crop of Mexican beans vary some but in the main the figure encountered is around 100,000 pounds and higher than spot ceiling prices are said to have been paid already in Mexico.

Market Trends

Prices Advanced

Drugs

Goldenseal, whole, 15c. per lb.
powdered, 25c. per lb.
Lycopodium, 50c. per lb.
Rhubarb, powdered, 2c. per lb.
Saffron, Spanish, $3 per lb.
Valerian root, Belgian, 4c. per lb.
Indian, 7c. per lb.

Other Articles

Cardamom, decorticated, Guatemala, 12c. per lb.
India, 12c. per lb.
Celery seed, Indian, 1¼c. per lb.
Dillseed, decorticated, ¼c. per lb.

Prices Reduced

Drugs

Gum, Arabic, ½c. per lb.
Lavender flowers, ordinary, 12c. per lb.

Other Articles

Caraway seed, Canadian, 4c. per lb.
Californian, Dutch type, 4c. per lb.
Danish, 1c. per lb.
Morocco, dewhiskered, futures, 4c. per lb.
Cardamom, bleached, bold, 15c. per lb.
medium, 15c. per lb.
green, Alleppy, 6c. per lb.
Coriander, Morocco, decorticated, ¼c. per lb.
Cumin, Indian, ½c. per lb.
Ginger, Cochin, unbleached, ½c. per lb.
Laurel leaves, Portuguese, ½c. per lb.
Turkish, 3c. per lb.
Paprika, Spanish, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
268.6	262.8	255.4	244.0

(*For Current Prices see page 9*)

Berries

Juniper — Alicante, Spain, contributed 49 bags in a spot arrival from that point last week. The quality of berries included in the shipment has not been learned yet. Ordinary quality was easier recently.

Saw Palmetto—Limited collection at high cost tends to make for an upward trend in spot quotations on this article. It is doubted that 20c. per pound will last long here.

Flowers

Lavender — Five bales of spike lavender—which should not be confused with the regular lavender flowers exported from France—reached this country from Alicante, Spain, last week. Such material fetches about 45c. per pound here. One quarter offered some French flowers of ordinary quality at as low as 48c. per pound but the material was fairly old. Material with excellent odor properties would command around 60c. per pound.

Linden—Replenishment of the exhausted spot supply of imported flowers is on the agenda of most dealers but the outlook is most uncertain because of the chaos that is Europe.

Malva — This is another European flower that is virtually unobtainable on spot and which dealers hope to replenish through European purchases this coming Summer—if anyone can be found to collect the item.

Saffron — Troubles and uncertainty surrounded prices on Spanish flowers. Goods declared to be good quality but packed in domestic tins brought $35 per pound and flowers meeting usual quality requirements, plus being packed abroad in the regular lithographed tins were said to command $38 to $38.50. There is a U.S.P. standard on this item.

Gums

Arabic—Spot quotations were down to 12½c. to 13c. per pound. Sales made December 21 by the Production and Marketing Administration, Department of Agriculture, were:—340 pounds at St. Louis, 9c. per pound; 4,400 pounds at Lathrop, Calif., 10c.; 40,551 pounds at Granite City, Ill., consisting of 29,960 pounds at 9c. per pound, and 10,591 pounds at 8.2c.

Mastic—Communications with Chios, the Greek island from whence comes mastic gum, have been re-established, and numerous offerings of goods for shipment are being received locally. The prices suggested are far higher than official ceilings would permit, and seem to be based on transactions made in the black market here when

For Late Market Developments, See Page 4

CRUDE DRUG
IMPORTERS & EXPORTERS
for 56 YEARS

A precise understanding of the physical character and remedial usefulness of Crude Drugs is essential to their proper milling and preparation. Often the remedial value of a finished product varies according to the skill exercised in milling the crude botanical drug.

Because, for more than 56 years, we have exercised this understanding and had the complete equipment to apply it, "Hopkins Brand" Milled Crude Drugs represent the supreme achievement of specialized effort.

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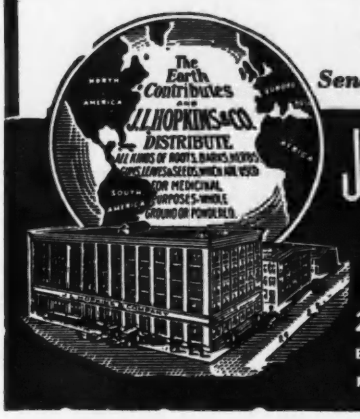

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ALOES, Curacao and Cape
ALTHEA ROOT
ANISE SEED
BALSAM COPAIBA
BALSAM PERU
BALSAM TOLU
BELLADONNA Leaves and Root
BOLDO LEAVES
BORAGE FLOWERS
BUCHU LEAVES
CARAWAY SEED
CELERY SEED
CHAMOMILE FLOWERS
CHAULMOOGRA OIL
CLOVES, Zanzibar
COCILLANA BARK
COLOCYNTH PULP
COLOMBO ROOT
CORIANDER OIL AND SEED
DANDELION ROOT
DILL SEED, Indian
ERGOT OF RYE
FENNEL SEED, Indian
FOENUGREEK SEED
GENTIAN ROOT
GINGER, Jamaica, Calicut
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM KARAYA, Whole and Powder
HELLEBORE ROOT WHITE
HERBA HERNIARIÆ
HERBE MENTHE
HOREHOUND HERB
IRISH MOSS
JUNIPER BERRIES
KAMALA POWDER
LAUREL LEAVES
LAVENDER FLOWERS
LINDEN FLOWERS, with Leaves
MAHUANG, Chinese
MARJORAM LEAVES
OAK MOSS
ORANGE OIL, Sweet
ORRIS ROOT
PEPPERMINT OIL
PIMENTO, Jamaica
POPPY SEED, Indian
PSYLLIUM SEED AND HUSKS
QUINCE SEED
RHUBARB ROOT
ROSEMARY LEAVES
ROSEMARY OIL
SAGE LEAVES
SARSAPARILLA ROOT
SAVORY
SENNA LEAVES AND PODS
STRAMONIUM LEAVES
STROPHANTHUS SEED
THYME LEAVES AND OIL
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WAREHOUSES AND PROCESSING PLANTS: BROOKLYN, N. Y., NEWARK, N. J.

limited quantities actually sold at $5 to $5.25 per pound, as against a GMPR ceiling of about $3.25.

Myrrh—Very steady in the primary market, where stronger prices have developed of late. Spot stocks were sufficient, if also moderate, in size.

Sandarac—Further transactions have been put through at official ceilings, and substantial movement to consumers will take place on the arrival of the futures already under contract.

Herbs and Leaves

Laurel — Portuguese material was slightly lower at 14½c. to 15c. per pound, and Turkish was down sharply to sell for 17c. to 17½c.

Sage — Some good quality Cyprus was offered at the advanced price of 24c. to 24½c. per pound, if and when released. Good quality in future position was higher at 19c. to 20c. During the period, 30 bags arrived from Alicante, Spain.

Savory—The only feature was an arrival of 30 bags from Alicante, Spain.

Thyme — Spanish stocks here increased by 45 bags, due to an arrival from Alicante. Prices held very steady.

Miscellaneous

Cantharides—No success has crowned the efforts to re-establish a normal spot stock of Chinese and Russian material. The spot was a purely nominal market.

Ergot—Released stocks were in low state. Seizures by Federal authority have eliminated substantial quantities upon which importers had depended to renew their rather small holdings. The market continued to be very firm in the absence of any competition.

Lycopodium — Lowest prices have been worked off the market, and last week the minimum quotation seemed to be $1.75 to $2 per pound. Collection in domestic areas suffered last Summer from the rash of low prices that discouraged workers.

Papain—Prices held very firm, and no tendency to shade them the slightest, regardless of minor competition. Stocks were too low. An arrival of eight cases last week made no material change in the overall tight situation.

Roots

Goldenseal—Few have any and those with limited quantities actually in hand quoted $8.50 to $8.75 per pound for whole, and $9 to $9.25 for powder. It is going to take several years to return normal stocks to the world markets.

Sassafras—Mexican root recently offered at 32c. to 33c. per pound for a nearby arrival became actually spot last week and sold at the same quotation.

Turmeric—Strong in all markets and available mainly on the basis of future arrivals.

Valerian—Belgian future arrivals are now spot holdings and quotations at 59c. to 60c. per pound record an advance. The upward movement appeared in Indian root which was not available under 52c. to 53c. per pound.

Seeds

Anise — Chinese star anise was offered at 40c. to 41c. per pound on the Pacific Coast. The transportation to the East takes about four weeks. Very little Mexican was available here or in Mexico.

Caraway—Canadian was reduced to 64c. to 65c. per pound. Danish, 63c. to 64c.; Dutch, futures, 64c. to 65c.; California, Dutch type, 64c. to 65c.; Morocco, dewhiskered, 62c. to 63c.

Cardamom — Bleached, bold, was down to $1.35 to $1.40 per pound; medium, $1.30 to $1.35. India decorticated seed was higher at $1.15 to $1.20; Guatemala decorticated, $1.10 to $1.12.

Celery—Spot prices for Indian seed underwent substantial advance last week and, ending the period at 22¼c. to 22¾c. per pound, were still slightly cheaper than seed for later shipment from the source. Importers offered futures at 23c. to 23½c.

Coriander — Morocco seed was shaded to 9½c. to 10c. per pound. Some seed originating in South America was priced spot at 10c. to 10½c.

Cumin—Indian seed in future position was shaded to 34½c. to 35c. per pound.

Mustard—A new immigrant came to these shores last week. It hailed

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Flour	14 ounces
Butter	4 ounces
Treacle	8 ounces
Ginger powder	1¼ ounces
Jalap powder	2 ounces
Caraway powder	½ ounce

Mix the powders. Add the butter and lastly the treacle, previously warmed. Roll out and divide into ¼ ounce cakes, each containing 6 to 7 grains of jalap.

Whosoever shall market this aid to alimentary anguish should call it Jackson's Jalap Gingerbread to do historical justice.

(To be continued)

WAREHOUSE AND MILLS
JERSEY CITY NEW JERSEY

TRADE *From Forty Nations* MARK

from Holland and was yellow seed available to arrive later at 38c. to 38½c. per pound.

Poppy—A newcomer to the spot market was Swedish blue seed which was quoted at 24½c. to 25c. per pound to arrive at some later date.

Spices

Ginger—Cochin unbleached root on spot was lower at 16½c. to 17c. per pound. African ranged 15c. to 15½c.

Paprika—An arrival of 1,485 bags from Alicante, Spain, was noted in company with a price decline to 44½c. to 45c. per pound for fancy quality, and 43c. to 43½c. for good.

Pepper—Of interest to buyers of chillies who for weeks have not been able to purchase goods was the offering of Mexican chillies at 32c. to 32½c. per pound on a future arrival basis.

Pimento—Because recent arrivals from Jamaica were detained by the Food and Drug Administration, the Department of Commerce and Industries in Jamaica will no longer guarantee pimento to pass the requirements of the F & D.

Markets at Other Centers

Los Angeles, Jan. 16.—Trading in botanical drugs and spices was relatively slow here this week. Supplies are short. Prices steady. Ruling prices are:

Marjoram — French type, 35c. per pound in dried form.

Sage—Dalmatian type, 40c. per pound for lots said to contain less than 12 percent stems with the understanding that if the sage exceeds 12 percent, the buyer will be credited with the difference. Sage guaranteed to contain less than 5 percent stems was named at 65c. per pound. Leucophylla was quoted at 32c. per pound.

Savory—French type, 75c. per pound.

Sweet Basil—90c. per pound for lots containing less than 12 percent stems.

Thyme—French type, 90c. per pound in dried and clean form.

Gum Importers Reelect Officers for New Year

Following the annual meeting of its members, at which directors were chosen for the ensuing year, the board of the American Gum Importers Laboratories, Inc., reelected its former officers at an organization meeting January 3. These consist of Charles F. Walden, of Thurston & Braidich, president; O. G. Innes, of O. G. Innes Corporation, vice-president, and George T. Hawxhurst, secretary-treasurer.

Foote Mineral Moves

The Foote Mineral Company, Philadelphia, has inaugurated an expension and modernization program. The milling and processing facilities are being centralized in 30 acres at its Exton, Pa., plant, where a new mill building and a new warehouse are being erected. The many additions to the personnel of the sales and purchasing departments have made it necessary to remove the entire office staff from 1609 Summer street to quarters occupying the entire fifth floor of the Germantown Trust Company building, 10 East Chelten avenue, Philadelphia 44, Pa.

Private Trade Exports Control Eased by OIT

OPD Washington Bureau

The Office of International Trade of the Department of Commerce has announced that it will accept for consideration applications to export commodities to all areas, except Germany and Japan, with which private trade was suspended during the war. OIT stated that resumption of full commercial trade with these areas will be resumed as promptly as other circumstances permit.

At the present time trade with some areas will necessarily be restricetd, since the governments of certain of the countries have not as yet established adequate procedures for the clearance of all types of import transactions. In other areas it will be restricted because of the quantitative limitations of certain commodities available for export; the necessity of obtaining whatever clearance is required by the appropriate military autharity; the lack of adequate transportation facilities; import restrictions which may be imposed by the governments of the respective countries or by the military authorities, and other considerations.

Carbon 13 Output Expansion Planned

The Sun Oil Company, Philadelphia, and the Houdry Process Corporation, Chicago, have announced expanded production of carbon 13, which recent experiments in biochemical research indicate "gives promise of ranking in importance with X-ray as a tool of medical science."

This isotope, so rare that current production has been at the rate of less than one-half ounce per year, "may be compared to a chemical microscope that makes it possible for the chemist to see and follow chemical reactions in the body not possible with the X-ray" a joint statement declared.

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GUM LOCUST (Carob Flour)
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SPECIALTIES:
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CREAM OF TARTAR
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EGG YOLK
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JAPAN WAX (Special)
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GIVAUDAN NEWS DIGEST

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These are days of shortages . . . and replacements. Some substitutes have a permanent value of their own, and will continue to be used when the original material is again available. Now that's the way we feel about two new products that have just come out of our perfume development laboratory. They are called VERTONE and PATCHOL, and while for certain purposes they effectively replace vetivert and patchouli, each has an independent odor character of its own. Made exclusively from domestic raw materials . . . quotations and samples on request.

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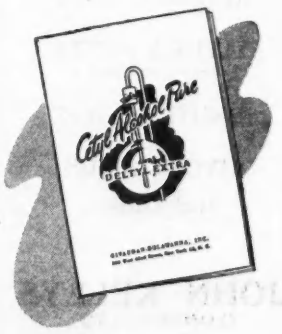
An informative article on the history and chemistry of Phenyl Ethyl Alcohol appears in the January issue of THE GIVAUDANIAN, copy of which is available upon request.



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Essential Oils, Other Aromatics

Some irregularity developed in the demand for essential oils last week. Sellers indicated a good interest prevailed for materials that were difficult to obtain, but a lagging inquiry for oils that were in amply supply. Aromatic chemicals remained in heavy demand. Sellers were already extended against current production in many items, and new business could not be accepted for prompt delivery. Labor troubles continued to be a factor, manufacturers experienced trouble in locating suitable personnel for plant operations. The principal price developments occurred in the ionones, ketone and methyl ionone were advanced proportionately to correspond with the higher cost of lemongrass. The downward revision for clove oil marked the first adjustment since May, 1945.

Arrivals of essential oils last week included seventy-two drums of bois de rose, the largest shipment from South America since December, but indications were that most of the material would find its way directly into consuming channels. Fifty cases of petitgrain were also reported. Petitgrain has been in short supply for some time with the crop disease limiting output and increasing replacement costs. A total of sixteen cases of lemongrass arrived from Rio de Janeiro.

The release of surplus government stocks of about 3,000,000 pounds of Italian lemon oil was expected shortly. The material was brought from Sicily during the latter part of 1945. The condition of the oil is now undergoing analysis, and if it proves satisfactory, it will greatly relieve the tight supply situation brought about by the limited domestic output.

In order to meet definite supply needs, the U. S. Department of Agriculture announced contemplated purchase of the CCC of 52,000 pounds of peppermint oil for delivery as soon as possible. Preferences being given to offers indicating earliest delivery date. Offers must be received by the department not later than 5 p.m., January 24, 1946.

Market Trends

Prices Advanced

Indol, $1 per lb.
Ionone, ketone, $1 per lb.
Ionone, methyl, $1 per lb.

Prices Reduced

Clove oil, U.S.P., 15c. per lb.
Ginger oil, dist., 50c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
222.0	222.4	222.2	207.3

(*For Current Prices see page 9*)

Essential Oils

Angelica Root—Small spot stocks continued to be offered on spot, but interest remained light at the prevailing high price levels.

Anise—The material that arrived at a Pacific Coast port recently will not reach the market for another three weeks. Shipments were expected to be sent overland via rail.

Bergamot—Market appeared to be supplied with ample spot stocks, and price level was retained at previously established basis of $8.50 to $10 per pound. Additional shipments were expected to arrive here sometime this month.

Bois de Rose—A total of 72 drums arrived from Brazil during the past week. While this is the largest shipment in some time, it was indicated that a majority of this material will go directly into consuming channels, and the spot position of the market will not be affected materially.

Caraway—Dutch caraway continued to be offered in the market at $8.50 per pound in moderate lots, while there were limited quantities of Russian and Canadian ranging from $10.50 to $11.50 per pound.

Cassia—Arrivals were not expected from the West Coast until the latter part of the month. Spot offerings will be contingent on sellers' ceiling prices which range from $10.75 to $11 per pound.

Cedarwood—Domestic production in the South has been curtailed by labor troubles, and spot offerings were on a restricted basis as a rule. Prices held firm.

Cinnamon—Quotations for the bark held at the same levels, ranging from $32.50 to $34.50 for the Ceylon. Supplies were moderate. A total of 4 drums of cinnamon leaf oil arrived from South America last week.

Citronella—Situation in the market continued status quo awaiting decision by the customs relative to the duty, since arrivals a few months ago were found to contain petroleum, and may carry a duty as a compound. Meanwhile the goods has been placed in bond pending a decision.

Clove—Price for U.S.P. material was lowered 15c. per pound to the basis of $1.50 for large lots and ranging to $1.65 for smaller quantities. Spot stocks were ample to provide for consumer needs.

Eucalyptus—A tight situation prevailed in the market. Shipments from Australia have been light in recent months, while reserve stocks were practically absorbed.

Geranium—Offerings of Bourbon were limited, and quotations held firm at the higher levels reported the preceding period. During the first ten months of 1945, Belgian Congo exported 4,173 pounds of geranium oil, valued at $48,584.

Ginger—A slight lowering of prices for distilled ginger were reported at $12 per pound. Market position continued satisfactory.

Guaiacwood—Prices appeared stabilized at prevailing level of $3.25 to $4 per pound. Supplies were entirely ample to cover consumer requirements.

Lavender—Replacements of French flower oil continued small. There was some speculation as to prices for new arrivals based on the revalued French currency. Spanish spike continued in limited supply.

Lemon—Disposition of government surplus stocks of about 3,000,000 pounds of Italian lemon oil brought from Sicily during the latter part of 1945 were awaited. The limited domestic production has caused a scarcity of material for some time, and, if the condition of the government material is satisfactory, conditions will be greatly eased in the market.

Lemongrass—Price tendency was upward, based on higher replacement costs. Quotations at the source range from $2.50 to $2.55 per pound, and, after taking into account shipping and other incidental handling charges, the spot price increased to $2.75 per pound. Arrivals last week amounted to 16 cases from South America.

Lime—Quotations for distilled lime remained firm with supplies moderate, while offerings of expressed continued limited.

Mandarin—Interest was routine in the market and prices held at $6.75 to $8 per pound. A total of four cases arrived from Rio de Janeiro last week.

Orange—Domestic and imported spot stocks were moderate and sufficient to take care of consumers' needs. Prices held firm. During the first eleven months of 1945 the U. S. Department of Agriculture purchased 21,798 pounds of orange oil.

Palmarosa—Spot offerings were about exhausted, and replacements now afloat were expected to reflect higher costs at primary center.

Pennyroyal—There were no domestic offerings, while stocks of imported were difficult to locate. Price tendency was upward, based on increased costs.

Peppermint—In order to meet definite supply needs, the U. S. Department of Agriculture announced contemplated purchase by the CCC of 52,000 pounds of peppermint oil for delivery as soon as possible. Preferences being given to offers indicating earliest delivery date. Offers must be received by the department not later than 5 p. m., January 24, 1946.

Petitgrain—A total of 50 cases arrived here from South America last week. Replacement costs have risen because of the crop disease which has limited supplies at the source.

Rosemary—The tight spot position of the market continued, and arrivals

For Late Market Developments, See Page 4

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from Spain were awaited. Prices were firm at the higher levels.

Sandalwood—There was a complete lack of offerings in the market, and, until replacements reach here from India, the market will remain nominal.

Thyme — Until replacements now afloat from Spain reach here the market will lack any sizable spot offerings. Prices were unchanged and firm.

Vetiver—Offerings of Bourbon continued light, while moderate quantities of South American and Haitian were available. One drum arrived from South America last week.

Wormwood—Farmers continued to ask above ceiling price, and sellers with low ceiling were unable to do business on present price basis.

Aromatic Chemicals

Benzyl Alcohol—Production adequate to cope with current demand. Prices were firm.

Benzyl Benzoate — Supplies were available to meet the demand, release of government surplus stocks expected, however, this material may not meet the specification requirements of all consumers.

Cinnamic Acid—Sellers were working against backlog of orders, and production has not expanded sufficiently to provide all needs promptly.

Cinnamic Aldehyde—Reports indicate progress in catching up with back orders, but most sellers were not able to book new business for delivery until next month.

Coumarin — Situation remained tight, and offerings were restricted. Prices rule firm.

Indol—One factor advanced price from $18 to $19.50 per pound. Market position was reported as satisfactory.

Ionone Ketone—Price advanced $1 to the basis of $6 per pound. Higher raw material costs and limited production brought about the adjustment.

Ionone Methyl—Quotations higher at $6.25 to $12 per pound reflecting higher cost of raw material. Supplies limited.

Phenyl Ethyl Alcohol—Sellers continued well booked ahead against contracts and deliveries were lagging behind production.

Vanillin—Low production and increased demand characterized the market and kept shipments on an allocated basis.

Essential Oil Ass'n

—Continued from page 7

trade. The last three had been unanimously agreed upon by the committee. The submitted standards also comprised methods for the determination of esters, of total alcohols, and of linalool (acetyl chloride method), and a hydroxylamine method for aldehydes and ketones.

Work is being done on standards for oils of lemongrass and rosewood, heliotropin, terpineol, terpinyl acetate, and vanillin.

Problems of export trade were reviewed by F. K. Goudsmit, of Van Ameringen-Haebler, Inc., including those attending late wartime licensing processes. The biggest one now is the regulation of foreign importers by their governments, especially with reference to currency control. Among other specific regulations are the refusal of India to license imports of synthetic perfumes, which are considered nonessential and the Mexican requirement of the disclosure of the qualitative formulas of cosmetics. Suspicion has been aroused by the requests of importers that United States producers of perfuming compounds disclose their formulas under that requirement. A similar rule applies to imports of flavoring preparations.

The association elected the following officers:—

President, William Schilling, jr., of the Norda Essential Oil & Chemical Company, New York.

Vice-president, Louis Rapin, of the Antoine Chiris Company, New York.

Secretary and treasurer, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc., New York.

Other members of the executive committee, Frederick G. Buehler, of George Lueders & Co., New York, and Gerard J. Danco, of Gerard J. Danco, Inc., New York.

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Petroleum Derivatives

Although the spectre of a distressing famine in home-heating and cooking fuel oils along the Atlantic seaboard has appeared to be pretty thoroughly exorcised within the past week, as production and inventories of No. 1 fuel oil, range oil and kerosene have mounted substantially under the inspiration of the higher prices recently authorized and obtainable for these oils, there has been little, if any, further improvement in other directions in the petroleum derivatives industry.

The average daily yield of crude petroleum has not been materially bettered in the domestic oilfields and the tension in the supply situation in paraffin has continued unrelieved for lack of adequate plant capacities. Petroleum solvents and liquefied gases are still available in quantities sufficient for meeting current civilian requirements, but stocks of gasoline have continued to pile up in excess of storage capacity and no efficient agency has yet been devised to reduce this superfluity of output in gasoline while the refineries are engaged in swelling the outturn of the fuel oils to proportions well calculated to meet the needs of consumers on the East coast throughout the Winter months.

However, most of the pains and aches incident to the transition of the petroleum industry from a wartime to a peacetime economy are fast abating.

Market Trends

Prices Advanced

None

Prices Reduced

Gasoline, East Texas, 78-80 oct. ethyl, 73-75 oct. and 60 oct. and below, ½c. per gal.

(For Current Prices see page 9)

Solvents and Diluents

Aromatic Solvents—Continuing to move in fairly sizable volume, as the demand for all distillation points in both xylol and toluol bases, embraced in these high-solvency aromatic naphthas, keeps up in spirited fashion. Processors are able to fill all their requirements in petroleum xylol, notwithstanding the shortage in coaltar xylol, and are also sufficiently supplied with the now-plentiful petroleum toluol.

Cleaners' Naphtha—Buying interest continues keen on civilian account and only slightly less so on military scores.

Lacquer Diluent—Still being purchased in moderate-sized lots by varnish and lacquer manufacturers.

Mineral Spirit—Continues in brisk demand, with prices well maintained.

Rubber Solvent—Despite a slight curtailment in buying by manufacturers of synthetic rubber, whose finished product output has been retarded by shutdowns due to labor troubles, absorption of virtually the entire current production of this solvent continues to be accomplished by these makers of replacement rubber.

Stoddard Solvent—Being taken on a large scale by civilian drycleaning interests, while military account purchases are being steadily reduced.

V. M. & P. Naphtha—An undiminished movement of this solvent continues to be noted into paint and varnish-making channels.

Markets at Other Centers

Chicago, Jan. 18.—Buying of petroleum solvents and diluents in this area is in general as large as supplies will permit. Consuming industries show little sign of slackening interest.

Los Angeles, Jan. 18.—Demand for all solvents and diluents continues good on the Pacific coast. Liberal offerings of everything but rubber solvent have given the market a brisk tone.

Lighter Fractions

Butane—Although by no means overplentiful, the supply of this liquefied petroleum gas is now proving adequate for the rather extensive requirements of those families employing it for heating and cooking in the South and Southwest and for those manufacturing enterprises using it for the generation of intense heat in various processes as well as for the steadily diminishing needs of the makers of high-octane aviation gasoline and synthetic rubber.

Heptane—Continues in fair inquiry.

Hexane—Moving in moderate quantities into civilian consuming channels.

Octanes—Buying interest in these liquefied gases is still sizable, though showing some diminution with the loss of military account orders.

Pentanes—Combined takings of civilian and military interests continue to reach fair-sized proportions, with the former far outrunning the latter.

Propane—In steadily improving supply and exhibiting activity in almost identical lines with those described above as characterizing the market for butane.

Markets at Other Centers

Chicago, Jan. 18.—Liquefied petroleum gases are able to hold their own readily in the current market here. Buyers are showing continued interest and takings are as large as the supply permits.

Los Angeles, Jan. 18.—Buying interest in propane and butane continues good. Supplies now appear adequate to take care of normal demand.

Petrolatums and Waxes

Microcrystalline Waxes—Although in much larger production than for some time past, these waxes are in none too liberal supply, as the movement expands under the leadership of the standard process types, and manufacturers generally are experiencing no little difficulty in filling all orders.

Paraffin—With the combined domestic and export demand for this petroleum wax running well ahead of the output, there is still a marked shortage of both crude scale and refined grades, without much reason to expect sufficient amplification of production to the desired extent until there are further additions to productive capacities.

Petrolatums—U. S. P., veterinarian and technical grades of petroleum jelly continue in keen demand, with producers finding themselves hard put to it in trying to meet all requirements.

White Mineral Oils—With a spirited buying interest continuing to be exhibited, manufacturers of these oils are still busy filling all orders at firmly held prices.

Fuels and Lubricants

Crude Petroleum—In the hope of obtaining authority for swelling their output of crude oil sufficiently to meet the huge and steadily increasing demand for heating oils, crude oil operators in the Texas oilfields have asked the Texas Railroad Commission for an immediate increase in crude oil allowables, continuing through February.

A slight increase in the average daily rate of crude oil production has been recorded for the week ended January 12, when the rate mounted to the extent of 30,300 barrels to 4,578,400 barrels. Crude oil runs to the refineries for the same week have registered a small decline, from 4,651,000 barrels to 4,498,000 barrels.

Gasoline—The Texas Railroad Commission is reported to be preparing to make a strong bid for continued state regulation of natural gas as well as for higher prices for this gas at the forthcoming hearing of the Federal Power Commission, to be held in Houston, Tex., January 28. And the Gulf Coast Refiners Association is calling upon OPA for prompt removal of price ceilings on gasoline and other refinery products, contending in this connection that, unless this is done, many independent refiners may be forced to shut down because they are unable to adjust their yields to the shifting demand under current ceiling prices.

Some additional refiners in Kansas have marked down their prices by an eighth of a cent per gallon for 78-80 octane ethyl, 73-75 octane and 60 octane and lower grades, making the new ranges for these materials 6.813-7.3c., 5.813-6.3c. and 5.063-5.5c., respectively. In East Texas fields, a few refiners have lowered their price for 78-80 octane gasoline by an eighth-cent to 6¼-7c., while also reducing to a similar extent their prices on 73-75 octane from 5⅝ to 5½-6c., and cutting their prices on 60 octane and below from 5½c. to 5-5¼c.

Nationwide supplies of gasoline have shown an increase of 1,080,000 barrels for the week ended January 12, which, while a smaller gain than that registered for the preceding week, nevertheless reached a new seasonal high level at 99,574,000 barrels—the largest mid-January figure on record, comparing well with a previous high-water mark of 108,452,000 barrels attained on February 28, 1942, which comprised a considerably greater proportion of military supplies than this latest hightide figure.

Kerosene—OPA has announced that the temporary increase in the ceiling prices of kerosene and light heating oil, granted December 19, last, to most of the Eastern Seaboard centers, are to apply equally to the Buffalo, N. Y., area comprising Erie and Niagara counties. At the same time, OPA has extended the recent 4-cent reduction in residual oil ceilings to apply to tankwagon sales in the Philadelphia area.

American Viscose to Modernize Marcus Hook Rayon Plant

American Viscose Corporation's rayon-producing plant at Marcus Hook, Pa., is to be modernized by the installation of new equipment and the refitting of existing equipment, under a program that will be carried out as rapidly as possible, the company announces today. The plant, which produces viscose rayon yarn, was the first rayon plant to be built in the United States, having started operations in 1911.

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For Late Market Developments, See Page 4

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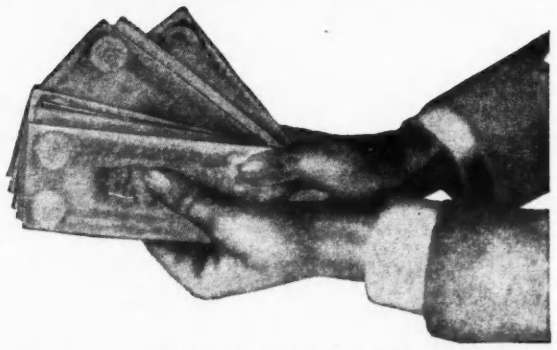

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BOSTON Mulcahy & Griffin	DETROIT C. W. Hess Co.	MONTREAL Conant Company Ltd.	SAN FRANCISCO E. M. Walls
CHICAGO Philip E. Calo Co.	HOUSTON Joe Coulson Company	NEW ORLEANS E. P. Lestrapes	SEATTLE Carl F. Miller & Co.
CINCINNATI Deeks & Sprinkel	KANSAS CITY John T. Kennedy Sales Co.	PHILADELPHIA Lees & Dilworth, Inc.	ST. LOUIS Harry G. Knepp
		PITTSBURGH Jos. A. Burns	TORONTO A. S. Paterson

Protective Coatings Materials

Though still unable to survey for themselves all the outlines of the unprecedented building and manufacturing operations which leading government and private economic prognosticators are vividly describing as looming through the fog of strikes and work stoppages in virtually all the leading industries, the most foresighted participants in the protective-coatings industry are becoming more optimistic than hitherto over the prospect for a speedy resumption of activities in the enterprises that will afford them the largest and most lucrative outlets for their paints, varnishes, lacquers and constituent materials in time to enable them to reach a new overall high-sales volume for 1946.

They realize that entrance into the green pastures of the promised land, flowing with the milk and honey of mass production and sales on an unequalled scale, is contingent upon their procurement of the most essential of the ingredients of their paints, varnishes and lacquers in sufficient volume to fill the orders which will flow toward them, once the gates to these pastures are opened wide by settlement of the labor upheavals which are now holding up the reconversion program. But the leaders in the protective-coatings industry are becoming more confident daily that the shortage prevailing in these constituents of their products are merely the birth pains of the huge expected postwar production, which are sure to abate gradually as the causes are expelled and business resumes its erstwhile peacetime course.

Further testimony on the magnitude of the paint-marketing potentialities about to be made available in new building construction is given in a recent forecast of the Bureau of Labor Statistics of the Department of Labor, projecting "an unprecedented gain" in private new construction during 1946, which is figured as aggregating $5,900,000,000, exclusive of repairs and maintenance work, as compared with $2,700,0000,000 in 1945, carrying this Department's estimate for new construction expenditures as a whole, publicly financed as well as private operations, to approximately $8,300,000,000 this year, or about 80 percent more than the estimated total of $4,700,000,000 for last year. Moreover, minor building repairs are estimated by this authority as reaching $1,650,000,000, swelling this Department's overall construction estimate to a grand total of $9,950,000,000 for 1946.

Metallic Lead and Zinc

With only a painfully small gain in domestic production of metallic lead being recorded in the latest Bureau of Mines reports, there is little prospect for any liberalization of the allotments of lead to the lead pigment makers for some time to come, unless, by some near-miracle, importations for government stockpile account are hugely increased within the near future. The Bureau of Mines' preliminary figures for last year show the eleven months of 1945 and December-estimated output of lead in the Central States to have reached 203,076 short tons, as compared with 201,577 tons for 1944. The outturn for the Eastern States, previously reported by the Bureau, had exhibited an aggregate production of only 5,300 short tons, contrasted with 6,266 tons for 1944. Prices of pig lead for the week July 11-18 have remained unchanged at 6.35c per pound in St. Louis and 6.50c in New York.

Though still handicapped by lack of adequate and thoroughly efficient labor, the domestic production of slab zinc is steadily increasing, together with the output of ores and concentrates. A review of the domestic slab-zinc yield for last year, compiled by a trade authority, shows that the output in the United States during 1945 was higher than in prewar times, but still did not measure up to the annual production in the previous four years. Quotations for slab zinc have remained unaltered for the week January 11-18 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Market Trends

Prices Advanced

Glue, bone, made wholly or in part from imported raw material, up to 7c. per lb.
Mica, dryground, all meshes, $2.50 per ton.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

(*For Current Prices see page 9*)

Pigments

Titanium Dioxide—With the recent shrinkage of military rated orders, the supply of TiO_2 available for unrated civilian account has become much more liberal and the leading producer who recently announced an expansion in unrated consumers' quotas to 100 percent for January, is now hopeful of being able to continue these quotas, which apply to all classifications of this material throughout the remainder of the first quarter.

White Lead—With their quotas of pig lead now held down to 48 percent for the first quarter of this year, makers of these lead pigments continue compelled to refuse many orders for these pigments or to have recourse to the expedient of accepting them on a purely tentative basis, conditioned upon ability to fill them eventually.

Fillers and Extenders

Asbestos—Both Canadian and domestic materials are still moving briskly into consuming channels.

Mica—Following the example of the manufacturers of wet-ground scrap mica in advancing prices for these types by an average of a half cent per pound, the makers of dryground mica scrap have marked up their prices $2.50 per ton on all meshes, making their higher prices effective retroactively to January 11. Their revised quotations include: for the paint and plastic type, of 100 mesh in bags, $47.50 per ton for carload lots at the works; for the roofing grade, 20 mesh, $32.50-$33.00 for carlots; 30-31 mesh, $32.50-$35.000 and 80 mesh, $40-$42.50.

Dry and Chemical Colors

Carbon Blacks—With takings of the motor-vehicle coatings makers running to large proportions on high color blacks and with the paint industry re-entering the market more extensively for its specialties, a shortage in these forms of channel blacks is fast developing. But, with the production of synthetic rubber tires still outstripping shipments to these consumers, which have begun to taper off still further as the Government authorities have debated the advisability of selling Government-financed synthetic rubber-making plants to private enterprises and as work stoppages have developed in some of the tire plants, whose workers have gone out on strikes, inventories of several of the so-called "rubber grades" of channel black have continued to mount moderately.

Driers and Flatteners

Naphthenates—Though there has been no material diminution of late in the buying operations of the paint and varnish industries, a slightly easier situation now prevails in the market for these driers, as manufacturers have been able to catch up with their backlogs of orders and stock up more liberally, while naphthenic acid has become more readily obtainable in sizable quantities.

Stearates—Still moving in considerable volume into the paint trade, with small capacity plants booked up to their full output limits and with only the larger manufacturers in a position to take on much additional business.

For Late Market Developments, See Page 4

STEARATES

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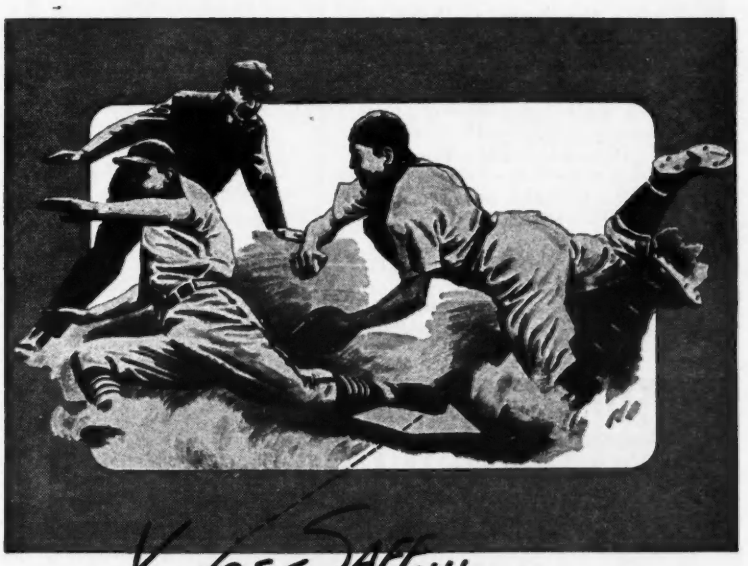

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Lacquer Materials

Acetone—A fair-sized movement continues to be noted in this material, as export takings begin to make up for lessening of the buying for domestic consumption. The supply situation in this material is still comfortable.

Isopropyl Alcohol—The expected termination of anti-freeze mixture buying for domestic account has not yet materialized and meanwhile, a keen demand has sprung up for this material in export channels.

Naval Stores

Overshadowing all else in the past week's grist of news developments affecting the naval stores market has been the announcement that the Office of Price Administration, which had originally sought to impose a ceiling on gum turpentine at 82c. per gallon, after the official market price was registering 83½c., had established ceiling levels on this commodity, effective January 15, at 83½c., f.o.b., still or bulk storage, 84½c. for dealers in the producing areas and in all other instances at the highest prices charged during the base period of November 1 through December 15, 1945, plus one cent per gallon. Of secondary importance has been the strong intimation given by the Civilian Production Administration that enduse restrictions on rosin, provided in order M-387, will continue to prevail throughout the first quarter of this year, as shown in CPA's announcement that the present existing use quotas on rosin will be maintained during the initial three months of 1946.

Rosin—Because of a lagging demand for gum rosin in some directions and limitations on its uses in numerous others, there has been a slight accumulation of rosins in various parts of the producing areas since the outset of the new year, according to factorage-distributing interests in the South. And the prospect of further accumulations in the remainder of the three months' period of smallest production leading up to April 1, when a gum rosin crop considerably larger than last year's is expected to be gathered, has revived rumors that some modifications, if not an outright revocation of CPA order M-387, may be called for, although CPA itself has indicated plainly that no such move is in contemplation, at least until the end of the first quarter of this year.

Savannah, Jan. 18.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.07	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.74	6.74	6.74	6.74	6.74
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.98	6.98	6.98	6.98	6.98
WG	7.23	7.23	7.23	7.23	7.23
WW	7.50	7.50	7.50	7.50	7.50
X	7.50	7.50	7.50	7.50	7.50
	Drums				
Sales	...	...	...	...	47
Receipts	22	6,039	55	32	149
Shipments	...	6,611	...	...	...
Stocks	6,346	6,374	6,429	6,461	6,610

Turpentine—In its announcement on the fixing of the new ceiling on gum turpentine at 83½c. per gallon, OPA has pointed out that this price level, which is the approximate current market price, is also slightly above the CCC parity for January, 81.3c., and therefore will furnish some leeway in the event that this parity is later modified. OPA's action in establishing this new ceiling on gum turpentine, it has been pointed out by that bureau, has been taken, through the adoption of amendment 3 to RMPR 561, in order to prevent a possible inflationary rise in prices, following the expected early depletion of Government-held stocks (already reduced to less than 160,000 gallons), which throughout the war years, had served as a restraining influence on the price of gum turpentine.

Recent movements of gum turpentine out of the producing areas of the South and from Southern stocks have been so heavy as to forecast a reduction to very low levels and the complete extinction of Government-owned stocks within the next two months. A very tight situation also prevails in steam-distilled turpentine.

Savannah, Jan. 18.—Following is a record of the market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	83½	....	61	1	4,222
Tuesday	83½	....	894	1,145	3,971
Wednesday	83½	650	...	...	3,971
Thursday	83½	....	15	17	3,969
Friday	83½	6,050	17	6	3,965

Synthetic Resins

In order to clear up certain ambiguities in its recently issued regulation, limiting the use of soybean oil in synthetic resins by manufacturers of the latter, the Department of Agriculture has elucidated the requirements of this regulation, designated as amendment 9 to War Food Order 29.

Explaining that formerly soybean oil could be used in the production of these resins without specific restriction, the Department reiterates the fact that the amendment to WFO 29, issued December 21, last, limits the amount that may be used each month and, for keeping a check on this limitation, requires a user to certify to his supplier that his use in any month shall not exceed one-sixth of the quantity that he used in synthetic resins during the first six months of 1945. But the Department points out that tankbottoms or foots of soybean oil, or acids made from tank bottoms or foots, are not affected by this restriction, as only acids made from the whole oil, other than these, come under its provisions.

In certifying to their suppliers users

SICO

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
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INCORPORATED
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

have been advised to convert the quantity of restricted acids used into comparable quantities of whole oil and include the quantity in their use for purposes of compliance with the regulation.

Varnish Gums

Copal—With local warehouses still devoid of all except meager quantities of Congo gum copal, the American importers of these natural resins are at a loss to find any means of satisfying clamorous customers, many of whom have contracted for quantities which are believed to be included in the cargo of a ship sailing from the Belgian Congo, which is due to arrive at the close of this month. As virtually all of this cargo will have to go out on these long-since-placed orders, the moment it reaches here, there is little likelihood that stocks in the United States can be added to, to more than a negligible extent, by this arrival. And it is bound to be some time before additional cargoes get here.

Shellac—There has been no new development in the stalemate in offerings from India within the past week. Various causes are given as explanatory of this withholding of lac from American operators in the country of its origin. In some quarters it is attributed to difficulties encountered in arranging currency exchange and in others to delays in getting the gum from the upland regions to the coast. But, whatever the true cause, the result is the same, a growingly distressing shortage of seedlac, T.N. and superfine, needed for bleaching purposes in the U.S.A. There are still moderate stocks of lemon and other pale grades available here but these are less pressingly required and hence slower moving.

Glues and Binders

Casein—Aside from the arrival here of two relatively small cargoes of Argentine casein, contracted for before the prices asked in Argentina had been boosted by Buenos Aires operators to levels so far above the OPA ceilings as to make them unsalable here except at a heavy loss, there have been no developments calculated to ease the now extremely taut situation in the American markets for this material.

Glues—As a long delayed sequel to similar action with respect to hide glues, taken more than two years ago, the Office of Price Administration, taking official cognizance of the plight of the makers of bone glue, who could not bid successfully on bone glue materials originating in foreign countries in competition with operators from other countries, has granted increases of up to 7c. per pound to the manufacturers of these glues when produced wholly or in part from imported raw materials, other than those in Canada, or containing glue so produced. The recent crippling of the American meat packing industry by the strike of union workers is well calculated to throw a monkey-wrench into the domestic supply machinery of both bone and hide glue materials, unless a settlement of this labor upheaval is speedily reached.

Paint & Allied Credit Group Elects Officers

Arthur Fuchs, credit manager of National Lead Company, New York, was elected president of the Paint and Allied Industries Credit Association, at the annual meeting held January 16. Other officers elected were:—

First vice-president, Theodore H. Kleine, of Hilo Varnish Corporation; second vice-president, Graham H. Rothweiler, of Murphy Finishes Corporation; treasurer, William Rohs, of Colonial Works, Inc.

Ferro Drier Names Agent

M. J. Daily, jr., has been appointed sales agent by Ferro Drier & Chemical Company, Cleveland, Ohio, for the Cincinnati territory, including Columbus and Dayton. He will have his offices at 606 Gerke building, Cincinnati.

McDonough Quits WPC

OPD Washington Bureau

Patrick W. McDonough has resigned as director of the Smaller War Plants Corporation. He has entered the race for Lieutenant Governor of California on the Democratic ticket.

Fats and Oils Allocations Issued for First Quarter

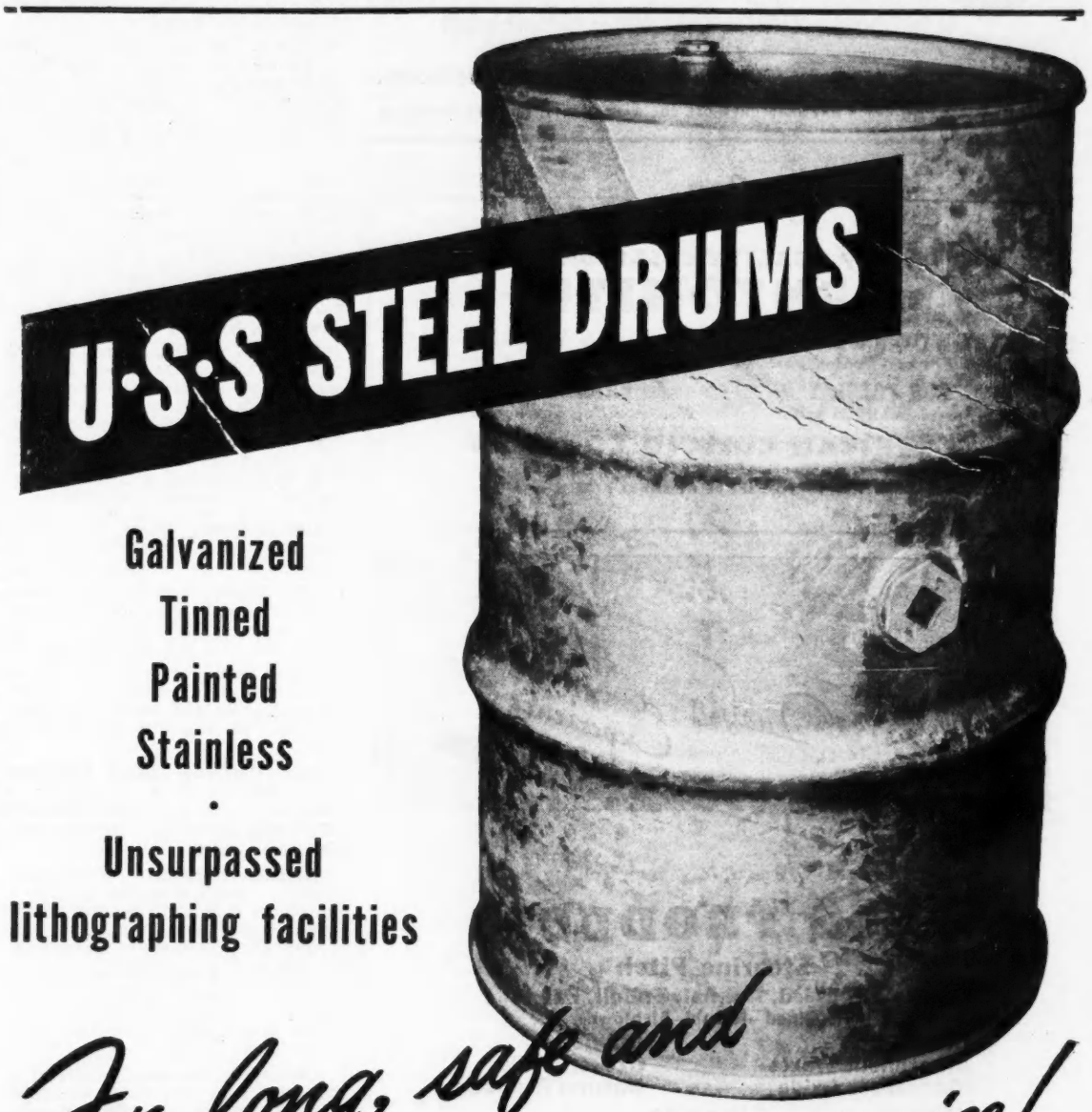
U. S. civilians will receive approximately the same amount of edible fats and oils in the first quarter of 1946 as they did in the final quarter of 1945, on the basis of the January-March allocations announced by the Department of Agriculture. Slightly more fats and oils are being made available for exports than in the final quarter of 1945, while military takings will be lower.

The civilian allocation of edible fats and oils, other than butter, for the January-March quarter is 1,047,500,000 pounds, compared with 1,047,000,000 pounds in the last quarter of 1945. For 1946 as a whole, civilians are expected to have more of these products than in the year just past, and consumption will likely be approximately 90 percent of prewar. In line with declining needs, U. S. military and war services have been allocated 48,600,000 pounds of both edible and inedible fats and oils, compared with 95,600,000 pounds in the fourth quarter of 1945.

(Millions of pounds fat content)

	1st Quarter, 1946, Allocation				4th Quarter, 1945, Allocations (revised 12/20/45)			
	Total Edible	Lard	Margarine, Shortening & Other Oils	Total Inedible	Total Edible	Lard	Margarine, Shortening & Other Oils	Total Inedible
Total Allocable Supply	1,300,400,000	657,000,000	643,400,000	800,400,000	1,295,800,000	593,400,000	702,400,000	858,700,000
Civilians	1,047,500,000	455,500,000	592,000,000	756,400,000	1,047,000,000	430,000,000	617,000,000	791,000,000
Military	33,400,000	14,300,000	19,100,000	15,200,000	69,500,000	25,400,000	44,100,000	26,100,000
Com. Exports and Shipments—								
Total*	59,300,000	43,100,000	16,200,000	17,700,000	44,700,000	27,300,000	17,400,000	12,400,000
U. S. Territories*	14,100,000	7,200,000	6,900,000	4,200,000	15,000,000	7,100,000	7,900,000	2,700,000
Philippines	1,100,000	200,000	900,000	1,200,000	300,000	.....	300,000	400,000
Mil. Civ. Feeding	6,900,000	6,200,000	700,000	.....	600,000	.....	600,000	.....
Various Others	37,200,000	29,500,000	7,700,000	12,300,000	28,800,000	20,200,000	8,600,000	9,300,000
Exports Implemented by Government—Total	160,200,000	144,100,000	16,100,000	11,100,000	134,600,000	110,700,000	23,900,000	29,200,000
U. K. and Services	50,000,000	50,000,000	.....	.....	91,200,000	76,800,000	14,400,000	2,700,000
Belgium	14,800,000	14,800,000	.....	.....	7,900,000	7,900,000	.....	.....
France	33,200,000	33,200,000	.....	4,600,000	4,300,000	4,300,000	.....	.....
Netherlands	4,400,000	4,400,000	.....	.....	1,700,000	1,700,000	.....	.....
Neth. East Indies	1,200,000	.....	1,200,000	200,000	2,400,000	.....	2,400,000	.....
Norway	3,400,000	3,400,000	.....	.....	.....	.....	.....	.....
UNRRA	36,800,000	28,000,000	8,800,000	6,200,000	15,000,000	15,000,000	.....	26,000,000
Reserve	15,100,000	10,300,000	4,800,000	.....	.....	.....	.....	.....
Other	1,300,000	.....	1,300,000	100,000	12,100,000	5,000,000	7,100,000	500,000

* Includes 100,000 pounds of margarine and 200,000 pounds of shortening and other oils, implemented by government in each quarter.



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Obituaries

Williaim Archibald, Sr.

William Archibald sr, one of the founders of the American Spice Trade Association and president of the Black Diamond Seed Company, New York, died January 15. He was eighty-two years of age.

In 1890 Mr. Achibald opened his own and drug and spice business, and soon began to manufacture "Seafoam" baking powder, "Black Diamond" borax and other products. Later he formed the Archibald & Lewis Company, with Frank L. Lewis of New Haven, which, in 1910, acquired the National Spice Company. Until 1932 this firm engaged in the importation and manufacture of spices and herbs and was an especially large dealer in tapioca. Since 1932 Mr. Archibald had been occupied with the Black Diamond Seed Company.

Surviving are his wife Charlotte and two sons, Walter D. Archibald of White Plains and William, jr. of Van Norden & Archibald, spices, New York, and president of the American Spice Trade Association.

Freeman D. Lohr

Freeman D. Lohr, works manager of the seaboard division of the Koppers Company, Kearny, N. J., and an authority on the operation of by-product coke plants, died January 16. He was fifty-three years of age.

A graduate of Mount Vernon University, Mr. Lohr, during his thirty years with Koppers, took part in the development of processes for the recovery of sulphur, pyridin, ammonia, benzol and toluene.

Surviving are his wife, three sons and a daughter.

Harry J. Siebert

Harry J. Siebert, long identified with the sales of the naval-stores industry, died of cerebral hemorrhage, January 15. He was fifty-eight years of age. Mr. Siebert had been at various times naval-stores sales manager for the John A. Casey Company, Charles L. Reed & Co., and William S. Gray & Co., all of New York.

George Myers Church, Fort Worth oil man, died January 16. He was fifty-six years of age.

Sam Davis, a district sales manager of Wyeth, Inc., pharmaceutical manufacturer, Philadelphia, died last week. He was fifty years of age.

Julius Hollander, retired vice-president of the Amalgamated Leather Company, Newton, Mass., died January 13. He was fifty-four years of age.

Mrs. Katherine Jackel Kimmerle, president of G. L. Kimmerle & Brother, paint distributor, Newark, N. J., died last week. She was sixty-one years of age.

Hartman Brunner Leitenberger, Eastern district sales manager for J. M. Huber Company, manufacturer of printing ink, New York, died January 15. He was forty-six years of age.

Lloyd P. Lochridge, manager of domestic lubricating oil sales for the Sinclair Refiining Company, New York, died recently. He was fifty-seven years of age.

Francis P. Moynehan, president of the Glen Falls Distributing Company, Glen Falls, New York, died last week. He was fifty years of age.

William M. O'Connor, vice-president in charge of foreign production of the Atlantic Refining Company, Philadelphia, died January 16. He was fifty-nine years of age.

John Franklin Perry, treasurer and general manager of the Miracle Adhesive Corporation, Newark, New Jersey, died January 17. He was fifty-five years of age.

Mrs. B. H. Taylor, secretary for the California State Bureau of Chemistry, died last week. She was fifty-five years of age.

Apex Chemical Plant Damaged by Fire

Fire destroyed nearly 3,000 gallons of castor oil at the plant of the Apex Chemical Company, Elizabeth, N. J., on January 15. The plant was damaged severely and an attempt will be made to get back into production in another of the company's buildings.

St. Joseph Lead Workers Honored

At a ceremony at Flat River, Mo., Jan. 6, Governor P. M. Dennelly, on behalf of the mine, mill and smelter workers of the St. Joseph Lead Company, presented a silver plaque of the seal of the State of Missouri to the battleship named for their State. The 30-pound plaque, cast from silver mined in the St. Joseph Lead Company's southeast Missouri lead

mines, was designed by the famous American sculptor, Paul Manship, and executed by the Gorham Company. It was accepted for the battleship Missouri by Captain R. H. Hillenkoetter, commanding officer. Presiding at the ceremony was Mr. Clinton H. Crane, president of the St. Joseph Lead Company, who was accompanied by the following executives of the company:— I. H. Cornell, vice-president; Andrew Fletcher, vice-president and treasurer; E. V. Peters, vice-president.

Chain Stores Group to Meet

The Associated Chain Drug Stores will hold a business conference in the Hotel New Yorker, March 25 to 27.

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Vitamin D Patents

—Continued from page 7

Haight commented on the termination of the action as follows:—

The refusal of the supreme court to review the California decision was in no wise a passing upon the merits of the patents. Its failure to issue the writ of certiorari only meant that the cause was not considered by it one presenting issues of such legal consequence that it should review it. . . . Practices charged by the government to violate the anti-trust laws . . . were all largely abandoned long prior to the making of those charges by the government. Dedication of the patents and termination of the litigation does not carry with it any admission of any wrongdoing by the foundation or its licensees. These issues have not been adjudicated by the court. The litigation, with the government a party, would have been protracted and costly. The foundation's trustees, whose aim is to aid the University of Wisconsin in its research program in the field of the natural sciences, concluded that the tens of thousands of dollars in expense that the litigation would involve, would be better employed if given to the university for scientific research.

Dedication of the patents can have no appreciable effect upon the availability or the price to the public of vitamin D and vitamin D products. Foundation royalties are and for years have been so low that their entire elimination can scarcely be reflected in prices to the consumer. Vitamin D is today the cheapest of the known vitamins, based upon well-established daily requirements for those vitamins. Recently the foundation's royalty on sufficient vitamin D to supply a baby with two-and-a-half times his normal daily requirement of vitamin D for a period of nearly three years has been one cent. Likewise, the foundation's royalties on the vitamin D in a bottle of 100 multivitamin tablets or capsules, retailing for $2.50 to $7 has been 1/20th of a cent.

The government had charged that the cost of producing a quantity of vitamin D, which was retailed at from $3.35 to $10.80, was 15 cents.

National Carbon Buys RFC Battery Plant

National Carbon Company, a unit of Union Carbide & Carbon Corporation, New York, has completed negotiations with the Reconstruction Finance Corporation, to buy the Army Signal Corps battery manufacturing plant at Charlotte, N. C., and has started construction of a three-story addition to the plant laboratory at Bennington, Vt., as part of its expansion program.

Industrial Research Institute in N.Y. Planned

Establishment of an Institute of Industrial Research at Syracuse University is planned. Approximately $700,000, has been subscribed by upstate New York business and industry towards the establishment of the $1,150,000, according to H. W. Smith, president of the board of trustees.

According to Dr. William P. Tolley, chancellor of the university, the institute will carry on applied research on problems of business and industry; fundamental research, both independent and on contract with clients, and the training of young scientists and technicians for employment by commercial and industrial concerns.

Inter-American Research Service Names Director

Dr. Francis Godwin, formerly associate director of the Armour Research Foundation, Chicago, has been appointed director of the Inter-American Research Service, New York. Dr. Godwin, who recently completed a fifteen-month technological and economic survey of Mexican industry for the foundation, was one of the organizers of the Mexican-American Conference on Industrial Research which, last October, brought together in Chicago leading bankers, industrialists and government officials of both countries to promote the interchange of technology, particularly in the field of industrial relations.

Smith Chemical Holds Annual Party

The Smith Chemical & Color Company, Brooklyn, held its annual New Year's party, December 27, at the Iceland Restaurant, 1680 Broadway, New York. More than 150 guests and office and sales employees were present, according to President Casper Smith. Some of the guests came from distant points, such as Canada, Connecticut and New Jersey. Most of the guests were from the paint industry, although other allied industries were well represented.

William D. Haylon has been appointed in charge of the news bureau of the chemical department of the General Electric Company, Pittsfield, Mass.

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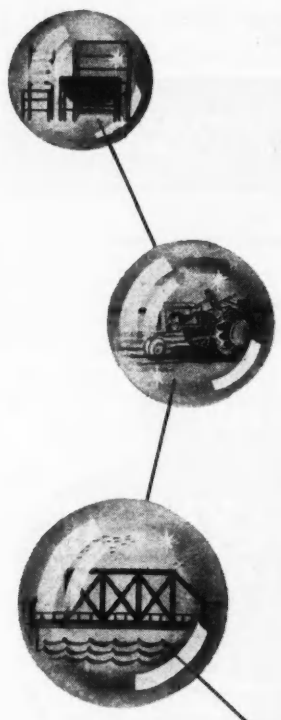

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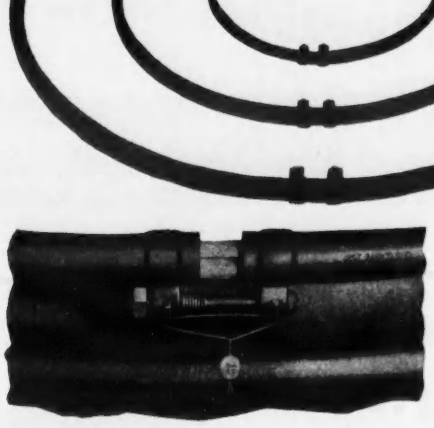

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Gov't Rubber Plants Disposal Policy Studied

OPD Washington Bureau

Disposition of the government-owned synthetic rubber plants should not be undertaken until a national rubber policy has taken specific form, the Surplus Property Administration advised Congress in an interim report made public January 16. An Inter-Agency Policy Committee on Rubber is now in the process of framing recommendations on a national policy to be submitted to the President and Congress shortly.

The government's investment in forty-four plants for the manufacture of synthetic rubber and its components amounts to approximately $680,000,000. These plants have a rated capacity of 835,000 tons a year, but are capable of producing about 1,100,000 tons annually. This capacity will undoubtedly exceed the country's peacetime needs for synthetic rubber, SPA said.

The synthetic rubber produced under the government program is of three types—GR-S (butadiene-styrene), GR-I (butyl), and GR-M (neoprene), for which plant capacities are respectively 705,000 tons, 68,000 tons, and 60,000 tons.

The SPA told Congress that it feels that there is little reason why the three plants engaged in production of the special rubbers, GR-I and GR-M, should not be disposed of at an early date. Their competitive position is relatively secure and they are therefore not involved in the decisions based upon considerations of national defense. A ready market for them may be anticipated when they are offered for disposal, it was added.

There also appears to be no particular reason for delay in making some of the alcohol butadiene capacity available for disposal, the report continued. Because of the high cost, no provision is likely to be made under normal conditions for manufacturing rubber from this material. The process is, however, thought by general agreement to be one for which some facilities should be retained in stand-by condition. This could be made a condition of disposal.

The agency stated, however, that indications are that these plants will not be offered for disposal at an early date. The disposition of the owning agency (RFC), the report said, is not to make these partial decisions with respect to surplus status, but rather to hold the whole body of decisions in suspense until the national rubber program has been formulated.

There was no indication in the report whether the carbon black production facilities would be treated separately from the general problem of synthetic rubber or not.

Dr. Eisele Appointed To Agriculture Dept. Post

OPD Washington Bureau

Appointment of Dr. Harold F. Eisele as assistant director of the graduate school of the Department of Agriculture has been announced. Before appointment to the graduate school Dr. Eisele was with department's office of personnel as head of professional and technical training. Previously he had been with Soil Conservation Service as training officer in the Upper Mississippi Valley region. Dr. Eisele is a native of Hastings, Neb.

Clairol, Inc., Stamford, Conn., has appointed Sheldon Levison, sales-promotion manager.

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Oils, Fats, and Waxes

Highlight of the week in the oils and fats market was the packinghouse workers strike which stopped the close to normal production of grease and tallow in the West. Available supplies of these materials had increased and were in better distribution, though the demand still exceeded the supply.

Sales of three grades of castor oil—No. 1, No. 3 and dehydrated—were permitted by OPA, to become effective January 15 on an open billing arrangement pending a study of increases in ceiling prices. The final settlement of oil bought and sold under this order will be made on the basis of prices established by OPA after the study of present costs. Crushers of castor oil were not accepting new business under this arrangement, but resumed deliveries on previous orders.

Final crop goals for 1946 were announced by the Department of Agriculture, January 16, and reflect recommendations by each State, as influenced by local conditions. The goal for flaxseed was increased to 4,318,000 acres and compared with 4,066,000 acres planted in 1945; soybeans, 9,590,000 acres against 10,873,000 acres planted last year; peanuts, 2,500,000 acres against 3,183,000 acres planted in 1945; pigs saved for Spring, 51,651,000, compared with 51,570,000 in the December pig report, and sows to farrow in Spring, 8,304,000 and 8,187,000 respectively.

Civilians will receive approximately the same amount of edible fats and oils in the first quarter of 1946 as they did in the final quarter of 1945, on the basis of the January-March allocations, it was announced by the Department of Agriculture. Slightly more fats and oils are being made available for exports than in the final quarter of 1945, while military takings will be lower.

Cottonseed Oil

Although demand for crude cottonseed oil continued keen, trading was confined to scattered sales of tankcars at ceilings during the week. Current production was generally applied against former contracts, with crushers indifferent to new business.

Cottonseed oil consumption was indicted at 164,618 barrels in December against 193,278 barrels in November and 221,122 barrels, December, 1944. Visible supply of oil and seed was estimated at 1,848,500 barrels, December 31, compared with 1,786,500 barrels for November and 2,221,300 barrels, December, 1944.

Bleachable oil prices follow:—

	Cents per pound in tanks—High.	Low.	Close.
March	....	....	14.31 bid
May	....	....	14.25 bid
July	....	....	14.20 bid
September	....	....	14.00 bid
October	....	....	14.00 bid
December	....	....	14.00 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12¾c.; Valley, 12⅝c.; Texas, 12½c. f.o.b. works (all ceiling prices).

Memphis, Jan. 17.—Trading in cottonseed oil and meal practically at a standstill, owing to scarcity of offerings. Seed receipts continue light.

Linseed Oil

Crushers continued to limit activity to making deliveries of oil against former contracts and have materially reduced the backlog of orders. Consumers were in the market for requirements during the first half of the year, but producers were not accepting new business.

Reports from the Argentine stated that two steamers were being loaded there with approximately 350,000 bushels of flaxseed for shipment to the United States. The general strike there which delayed loading was lifted on Thursday.

Minneapolis, Jan. 17.—Buyers in all markets continued to show a steady interest in oil supplies, but crushers continued their aloof attitude as they were in no position to make offerings. Mill production continued at 100 percent capacity.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	6,300,000	4,200,000
Since Sept. 1	132,706,000	121,240,000

Los Angeles, Jan. 16.—Linseed-oil market this week was firm and unchanged. Supplies remain scarce. Oil was named at 14.5c. per pound in tankcars, and 14.9c. drums, carlots.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	193.3

(For Current Prices see page 9)

Flaxseed — Crushers continued to seek seed and light trading was reported at ceilings for all deliveries.

Minneapolis, Jan. 16.—There was no change in the general flax situation. A carefully planned program of explanation of the $3.60 support price, which will only apply to the 1946 crop, has been started to crack flax loose from the country. Many producers are holding on to flax in hopes of realizing the 50c. a bushel premium which appears to be in the offing because of the government's announced support price.

	Receipts 1945-46		Shipments 1944-45	
This week	75,000	18,500	6,000	18,000
Since Sept. 1	16,611,000	8,962,000	3,284,500	1,351,000

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, Jan. 18.—No flaxseed shipments were made during the past week. Visible supply of seed was reported at 3,937,000 bushels. Seed was quoted at $1.66 per bushel, f.o.b. steamer.

Hull, Jan. 18.—Bombay, £40½, January-February; Calcutta, £35½, January-February; La Plata not quoted.

Other Vegetable Oils

Babassu—Consumption of crude oil in October was 6,234,000 pounds; factory and warehouse stocks, 2,656,000 pounds on October 31 and 7,237,000 pounds the previous month. Refined oil consumed amounted to 2,539,000 pounds in October; stocks, 191,000 pounds at the end of that month, and 428,000 pounds in September.

Castor, Dehydrated — OPA announced that No. 1, No. 3 and dehydrated bodied grades of castor oil may be sold on an open-billing arrangement pending a study of increases in ceiling prices, by order 32 under MPR 53, effective January 15. Final settlement will be made on the basis of prices established by OPA after the study of present costs and operating margins are completed. Crushers have resumed deliveries against old orders, but were not accepting new business, owing to the reduced production.

Oiticica—Buying interest continued keen, and with supplies here at low ebb, business was limited. Interest in future delivery was quiet. The Brazilian market was reported firm with offerings mainly for March forward shipment.

Peanut—Trading practically suspended account of small production. Nearly 100 percent of current shipments being applied on previous orders.

Palm—Consumption of crude totaled 7,451,000 pounds in October; factory stocks were 53,663,000 pounds, October 31 and 55,911,000 pounds in September. Refined oil consumption was 953,000 pounds in October, and stocks, 564,000 pounds against 157,000 pounds the previous month.

Palm Kernel—Production of crude in October was 7,007,000 pounds; consumption, 5,330,000 pounds and stocks, 34,476,000 pounds, compared with 32,148,000 pounds for September.

Perilla—Consumption totaled 12,000 pounds in October, stocks were 96,000 pounds the end of that month against 109,000 pounds in September.

Rapeseed — Consumption was reported at 1,387,000 pounds in October; factory and warehouse stocks were 19,081,000 pounds at the end of that month, against 20,791,000 pounds in September.

Sunflowerseed—

Buenos Aires, Jan. 15 (Comtelburo).—The Argentine government's official crop report for December stated that sunflower seed prospects generally range

For Late Market Developments, See Page 4

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from fair to good, but that acreage losses due to drought and locusts in the northern center of Santa Fe province are estimated at 30 percent; Entre Rios, at 15 percent; and southern Cordova, at 70 percent. Sunflower-seed crop damage in the province of Buenos Aires was said to have been very light. In regard to the peanut crop, important crop damage was indicated for all producing areas.

Soybean—Department of Agriculture, January 15, clarified the requirements of amendment 9 to WFO 29, issued December 21, 1945. The order limits the amount of soybean oil used in synthetic resins each month. It also requires a user to certify to his supplier that his use in any month shall not exceed one-sixth of the quantity used during the first six months of 1945. Tank bottoms or foots of soybean oil, or acids made from tank bottoms or foots, are not affected by this restriction.

Los Angeles, Jan. 16.—Demand for all vegetable oils was heavy this week, but trading was limited because of light offerings. Ruling prices in tankcars were: —Castor, prime cold pressed, 13.6c. per pound; chinawood, 38½c. per pound; coconut, crude, 8c. per pound; cottonseed, bleachable, 14.51c. per pound; mustard seed, 14c. per pound; peanut, crude, 13.9c. per pound; sesame seed, crude, 15c. per pound; soybean, 12.50c. per pound; refined, bleachable and deodorized grade, 13.815c. per pound.

Tung—Buying interest in domestic and Chinese tung oil continued keen. Domestic oil was unavailable because the bulk of production was sold well ahead. Importers were reluctant to accept orders for shipment owing to the unstabilized business and financial conditions that exist in China at present, according to late advices.

Fats and Greases

Grease—Production was larger before the packinghouse strike began early in the week which resulted in the stoppage of all operations. Light trading was reported at ceilings.

Lard—An active demand for moderate quantities was cut off by the strike. Stocks of lard and rendered pork fat in the United States on January 1 totaled 80,715,000 pounds, compared with 59,349,000 pounds December 1 and 98,483,000 pounds January 1, last year. The January 1 five-year average was 166,437,000 pounds. Lard stocks totaled 16,918,359 pounds in Chicago January 15, compared with 12,864,554 pounds January 1, and 16,524,583 pounds January 15, last year. Lard and rendered pork fat purchases totaled 23,562,000 pounds during the month of November and 190,266,753 pounds from January 1 through November 30, it was announced by the Department of Agriculture.

Tallow — Light trading was noted at ceilings early in the week, before the packinghouse strike went into effect. Cattle on feed on January 1 were estimated at 4,157,000 head, against 4,324,000 head a year ago, a decrease of 4 percent. The 1940-44 average was 4,061,000 head, according to the Department of Agriculture.

Animal Oils

Degras—Market remains steady under limited supplies. Inquiry was active. Prices were firm and unchanged.

Grease Oil—Supplies were low and firmly held at ceilings. Inquiry was fairly active, with offerings withdrawn owing to the strike of packinghouse workers.

Neatsfoot Oil—Trading was at a standstill following the start of the packinghouse workers' strike. Prices were firm at ceilings.

Oleo—Owing to the sold-up production, the market was unchanged and firm. Offerings were withdrawn.

Fish Oils

Menhaden Oil—Low stocks continued to restrict business. Refined oil was in good demand, but offerings were limited. Market was firm at ceilings. Crude oil was available and quoted nominally at ceilings.

Baltimore, Jan. 16.—Menhaden fishing companies that operate out of North Carolina ports are reported to be still on the grounds, but have had only one day of good fishing during the past week. Operators intend to continue at work as long as indications remain promising and there is a prospect of adding to the production of oil. No further orders have been booked, however, and the belief prevails that if the companies manage to approximate filling previous contracts they will be well satisfied. Crude oil ceiling is unchanged at 8.9c. per pound.

Sardine Oil—In the absence of offerings of crude oil, the market was inactive. Refiners were bidding at ceilings. Refined oil also was in limited supply and well held at ceilings.

Los Angeles, Jan. 16.—Supplies short. Market tight. Poor fishing conditions again last week resulted in a small catch. California Sardine Products Institute reported 356,634 tons of sardines landed to January 5, against 500,860 tons to January 6, last year.

Fatty Acids

Red Oil—Inquiry continued keen, but trading was light owing to scarcity of available supplies. Production was sold well ahead. Prices were unchanged at ceilings.

Stearic Acid—Deliveries against orders were in active request. Output was sold up, and offerings scarce. Quotations were firm at ceilings.

Chicago, Jan. 17.—Material generally is still occupying a firm market position. Ruling prices are:—Corn oil, double distilled, Chicago, 11c. per pound, tankcar; 11¾c., drums, carlots; 12¼c., drums, less than carlots; coconut oil, distilled, 18c. to 18½c. per pound, tankcar; 18½c. to 19c., drums, carlots; cottonseed oil, double distilled, delivered, 11¾c. per pound, tankcar; 12½c., drums, carlots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled-down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 3½c. to 3¾c.

Cake and Meal

Restrictions on the use of protein meal in the manufacture of mixed feed for livestock and poultry under WFO9 were issued January 15 by the Department of Agriculture in an effort to prevent shortages in important livestock feeding areas of the country. The supply of protein feed is smaller this Winter than last largely because of the 24 percent reduction in the 1945 crop of cottonseed. Last year the supply of high protein feeds was supplemented by imports from South America, but this year supplies from this source are not available.

No person may use in the manufacture of poultry feed a larger quantity of protein meal than the following percentages of the quantity so used in the corresponding month of 1945:—January and February, 1946—100 percent; March, 1946—95 percent; April, 1946—90 percent; other months—85 percent. This limitation is in line with the 1946 goals calling for a 15 percent reduction in the production of eggs and a 17 percent decrease in the number of chickens raised on farms.

Cottonseed Meal—Little change oc-

Cottonseed Data: 5 Mos.

Cottonseed received and crushed and production of cottonseed products from August 1 through December 31, 1945, as compiled by Bureau of the Census, follows:—

Cottonseed

	Tons	
	1945-46	1944-45
Receipts	[1]2,649,486	3,687,683
Crushed	1,924,282	2,120,749
On hand Dec. 31	943,552	1,678,690

Crude Oil

	Tons	
	1945-46	1944-45
Produced	598,299,000	649,147,000
Shipped	563,989,000	603,193,000
On hand Dec. 31	[2]114,477,000	144,145,000

Refined Oil

	Pounds	
	1945-46	1944-45
Produced	[3]486,336,000	492,302,000
Shipped	.....	.....
On hand Dec. 31	[4]359,143,000	275,614,000

Cake and Meal

	Tons	
	1945-46	1944-45
Produced	849,630	971,230
Shipped	849,061	921,173
On hand Dec. 31	52,827	78,107

Hulls

	Tons	
	1945-46	1944-45
Produced	457,126	490,322
Shipped	459,936	454,300
On hand Dec. 31	58,887	50,815

Linters

	Bales	
	1945-46	1944-45
Produced	[5]580,293	618,120
Shipped	495,215	561,846
On hand Dec. 31	[6]103,654	118,194

[1]Includes 992 and 6,500 tons destroyed during 1945-46 and 1944-45, respectively. Does not include 219,340 and 118,256 tons on hand August 1, 1945 and 1944, respectively, nor 24,640 and 44,056 tons reshipped during the seasons 1945-46 and 1944-45.

[2]Includes 45,633,000 pounds at oil mills, 51,270,000 pounds at refining and manufacturing establishments and 17,574,000 pounds in transit.

[3]Produced from 532,861,000 pounds of crude oil.

[4]Includes 345,462,000 pounds at refining and manufacturing establishments and 13,681,000 pounds held elsewhere and in transit.

[5]Includes 145,156 bales first cut, 372,975 bales second cut and 62,162 bales mill run.

[6]Includes 44,267 bales first cut, 52,571 bales second cut and 6,816 bales mill run.

curred during the week and demand continues urgent for both prompt and deferred shipment. No carlot sales were reported by processors, who claim their entire production is still subject to call from seed handlers.

Linseed Meal — Urgent demand continued to feature the market. Production absorbed against contracts and crushers unable to accept new commitments.

Minneapolis, Jan. 17.—Cold weather, lack of boxcars, blocked roads and an all-consuming demand kept linseed meal markets pressed tightly against the ceilings.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week.....	6,740,000	6,720,000
Since Sept. 1.....	201,000,000	172,444,000

Peanut Meal — Processors are besieged with requests to book anything from five tons on up. Peanuts for crushing purposes are becoming increasingly difficult to obtain and for this reason more processors are expected to close down in the very near future.

Soybean Meal — Two or three Georgia mills are crushing beans, but their supply is so short, this crush is not expected to amount to much because only one processor managed to get the full allotment of beans. The expected bean movement to the South, after January 1st, has not materialized and probably will not, owing to the scarcity of beans in the West,.

Waxes

Beeswax — Small lot trading was noted during the week. Prices were unchanged and were generally steady.

Candelilla — Offerings of limited quantities were received from Mexico, which were readily absorbed by dealers. Sales were reported at 62c. to 65c. per pound in bags on spot depending upon quantity and the market was steady thereat.

Carnauba — Further advances took place in the Brazilian market and prices were advanced from 5c. to 6c. per pound during the week. Offerings from Brazil were confined to immediate shipment, and none were reported for nearby and forward.

Ouricury — Trading was reported dull, though the Brazilian market was steady at 80c. to 85c. per pound, f.o.b. Importers were still awaiting the arrival of wax booked for shipment months ago.

Trade Briefs

Edwin Edelstein recently joined the technical staff of G. A. Wharry & Co., paint materials, New York.

Cresta Laboratories, Inc., New York, has been formed to deal in varnishes, paints, etc. Attorney for the corporation is Sidney Zasuly, 152 W. Forty-second street, New York.

Army Chemical Company has been formed in Rochester, N. Y., to deal in extracts and syrups. Incorporators are Louis Blumenthal, 2 Milburn street, and Reva Blumenthal.

George Hampton has been appointed general manager of the Franklin Baker division of General Foods, Inc.

Lexington Rendering Company, Louisville, Ky., capital $5,000, has been incorporated to manufacture animal greases, packing-house offal products, the incorporators being Irvin Marcus, John J. Davis, jr., and Marie Mohlenkamp.

Industrial Wax Refining Corporation, Brooklyn, has been formed with a capitalization of $10,000 by Edward J. Fontana, Ernesta Pettinato and John J. Vaughan. Nicholas H. Pinto, 233 Broadway, New York, is attorney for the corporation.

Emery Industries Names Sanitone Sales Heads

Emery Industries, Inc., Cincinnati, Ohio, has named four district managers for the Sanitone division. The district managers for the Sanitone division are:—Eastern area, Porter Richards; Southern district, George S. Funk; Pacific Coast, E. L. Montgomery; Middlewest, Robert B. Orthwein. Through a misunderstanding, the Reporter, January 7 issue, failed to identify the above appointments with the Sanitone division of the company.

So. Naval Stores Plant Sold to Leach Bros.

The Southern Naval Stores Company plant at Columbia, Miss., has been sold to Leach Brothers, Inc., according to G. L. Reasor, Dallas, Tex., president of the Leach Brothers, Birmingham, Ala. The transaction was said to involve approximately $400,000.

Oil Chemists to Meet

The American Oil Chemists' Society will hold its annual meeting in the Roosevelt hotel, New York, May 15-17.

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Agents wanted where not now represented by leading importers of earth pigments and kindred goods used by various manufacturers. Large warehouse stocks carried. Liberal proposition. Write Charles B. Chrystal Company, 53 Park place, New York 7.

AGENCIES WANTED

Finland—leading import-export merchants and manufacturers' agents seeking contact with manufacturers of pharmaceuticals (especially plasters), drugs, chemicals, waxes, oilpaints (incl. ship's bottom paints), varnishes, etc.—also drugstore novelties. Particularly interested in exclusive distribution. Address local agent: Fr. Behnes, 60 East 42nd street, R-465, New York 17, N. Y.

Swiss Trading Concern in Zurich, old, well financed, desires mfr's. agencies. OPD 607.

AGENCIES WANTED

China—Leading Swiss Trading Concern, offices Tientsin, Shanghai, Hongkong, desires mfr's. agencies. OPD 608.

Unusual opportunity secure immediate services Technical Sales representative mid-west territory steel container and pigment fields because absorbing purchaser reassigned Ohio, Indiana, Kentucky. Customers include soap, paper and paint manufacturers. OPD 610.

EQUIPMENT OFFERED

For sale by Newark varnish manufacturer the following: 8 copper varnish kettles and 5 Monel-metal varnish kettles, complete with trucks. Each kettle approximately 160-gallons capacity. Kettles subject to examination before purchase. OPD 587.

EQUIPMENT OFFERED

New two-way automatic conveyors for powder-filling machines. Make manually operated machines fully automatic. Will operate Stokes & Smith, J. H. Day and other filling machines. Fully guaranteed. Approximately 30-day delivery. Write for full information. Gusler Products Company, 2917-23 West 6th, Amarillo, Texas.

For Sale: 3 Buhrstone mills, 1—16 in, 2—18 in., 1-jacketed dough mixer, 5 gallon capacity. Excellent condition. Lacquer & Chemical Corp., 214 40th St., Bklyn, N. Y.

EQUIPMENT WANTED

Approximately 3,000 gallon vertical stainless steel tank. Give full particulars including metal thickness, openings with prices. OPD 602.

Worried about Machinery?

"CONSOLIDATED"

—will supply what you need —and buy what you don't

SEND YOUR LIST OF WANTED OR IDLE EQUIPMENT TODAY

Special Items from Stock

2—16"x40" Kent & Lehman 3 roll W. C. Mills M.D.

2—Anderson No. 1 Expellers, M.D.

1—8" Mikro Pulverizer.

1—Simpson No. 1 Intensive Mixer, 4' dia. Pan.

1—No. 7 Rotex Sifter, 40"x84".

1—Patterson 36" dia. Dry Pan, double muller.

4—18" & 22" Robinson & Bauer motor driven Attrition Mills.

5—DRY POWDER MIXERS, various sizes. To 3000 lbs.

4—OLIVER FILTERS, 8'x8', 8'x12'.

8—RUBBER LINED Rectangular Tanks; 7—500-gal.; 1—150 gal.

DRYERS

6—B. & C. 28" Dia. x 60" face Atmospheric Double Drum Dryers, complete.

1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.

1—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZER or VACUUM PAN DRYER.

2—70"x30' RUGGLES COLES DIRECT HEAT ROTARY DRYERS, Type A-9.

9—Direct heat ROTARY DRYERS, 4'x30', 5'x30', 70"x30", 6'x60'.

2—ROTARY KILNS, 6'x60'.

1—5'x12' Vacuum DRUM DRYER, Buffalo Foundry, complete with accessories.

10—ROTARY VACUUM DRYERS: 3—Buffalo 5'x20'; 3—Devine 4'x26'; 1—Devine 4'x30'; 1—Struthers Wells 30"x12'.

1—36"x72" Atmos. DOUBLE DRUM DRYER, complete.

Only a partial listing. Space does not permit listing all items. Send us your inquiries.

NEW ALUMINUM TANKS UNUSED

300—250 gal. closed horizontal Aluminum Storage TANKS, oval-shaped, approx. 46" and 28" by 61" long, 18" dia. Manhole in top, 1/8" plate.

4—W. & P. MIXERS, steam-jacketed, 100 gal., size 15, type VI, Class B.B., double-geared sigma blades, power tilting, motor driven.

1—YORK 49 ton AIR CONDITIONING UNIT with 60 HP motor.

5—World or Ermold, Burt & Knapp Labelers.
1—Stokes DDS Rotary Tablet Machine, 23 punch.
12—Copper steam Jack. Kettles, up to 500 gal. cap.
7—Filter Presses up to 42"x42" Plate Frame & Recessed.
7—Copper & Alum. Vac. Pans, up to 500 gal. cap.

Immediate Shipment From Providence, R. I.

SIFTERS:

4—No. 32, 20"x18", Day Ro-Ball.
1—No. 12, 20"x37", Rotex.
1—Tyler Rotap Testing Sieve, with 24 screens.
4—28"x48", 1—8 deck, 1—4 deck, 1—3 deck, 1—2 deck.
19—22"x12' long, in 6' frame sections.

CRUSHING ROLLS:

2—Farrel-Bacon, each w/ 2-10x20 Rolls.
2—Farrel-Bacon, each w/ 2-14x20 Rolls.

ROTARY CALCINERS & COOLER:

1—4'x20', brick-lined, complete with firing hood, oil burning equipment, instruments, etc.
1—12" dia. x 15' long Kiln, roller mounted, incl. oil burner, complete.
1—Rotary Cooler, 15" dia. x 20'6", complete.

STEEL STORAGE TANKS-BINS:

21—64" dia. x 12', 2,100 gals.
21—51" dia. x 12', 1,400 gals.
24—Wood Bins, used with sifters.

BUCKET ELEVATORS:

1—34' c/c/, chain, 8 x 5 buckets.
5—30', 26', 22'6", 15' c/c belt, 4 x 3 bkts. All are steel-encased and equipped with geared head motors.

MAGNETIC SEPARATORS:

2—Dings 12" dia. x 18", each in conveyor set-up and incl. M.G. set.

GRINDING (ROD) MILL:

1—3'x8' Hendy Iron Works, iron-lined. Clutch pulley, with 30 H.P. motor.

JAW CRUSHER:

1—20"x6" Farrell, 3½ t.p.h. to ½"; 10 t.p.h. to 2".

DUST COLLECTOR:

1—Pangborn 3,000 sq. ft. filtering area, incl. exhausters, tanks, supporting steel, etc.

CONVEYOR:

1—10"x18' c/c Link Belt, steel apron.

BLENDER OR MIXER:

1—5' dia. x 6' Abbe, welded plate shell, unlined, trunnion mounted.

Most of these machines are equipped with individual motor drives, including gear reducers.

WANTED—
YOUR IDLE MACHINES
Help create those JOBS. Send your list NOW to "CONSOLIDATED"

THE KEY TO SAVING TIME AND MONEY

FOR OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE

CONSOLIDATED PRODUCTS COMPANY, INC.

WE BUY FROM SINGLE ITEMS TO COMPLETE PLANTS
"Every Machine in Your Plant is a Used Machine"

13-18 PARK ROW, NEW YORK 7, N. Y.—TEL. BArclay 7-0600

Shops: 335 Doremus Avenue, Newark, N. J. Cable Address: Equipment, N. Y.

LIQUIDATION

Includes Rotary Dryers, 4' x 20', 6' x 60'; Steam Tube Dryers 6' x 27'; 40 Agitator Headers for Tanks 10 to 20' dia.; 5 Roll Raymond Mill; 16" x 180' Belt Conveyor; FEINC Rotary Filter 8' x 4'; Scott Quadruple Effect Evaporator, 10,000 sq. ft.; 800 HP of Motors, 10 to 150 HP, 3/60/440 volt; Horizontal Digesters 0' x 12'; Pumps,; Bins; etc. Complete Bulletin on Request!

STOCK ITEMS!

2—Zaremba All-Copper Evaporators, 500 sq. ft. each effect.
1—No. 2 Sweetland Filter.
1—Sperry 24" x 24" Filter Press, closed delivery, 15 Rubber-Covered Plates and Frames.
1—American 6' 2 Disc Rotary Continuous Filter.
6—Oliver 8' x 0' Rotary Hopper Dewaters. NEW.
1—Oliver Robison 6' x 4' Top Feed Ni-Resist Filter.
2—Oliver Filters, 3' x 1', 5' x 8'.
1—Devine Vacuum Shelf Dry'er, 13-59"x78" Shelves.
3—Stokes Rotary Vacuum Dryers, 1'0"x3'6", 30"x10', 5'x33'.
1—Buffalo Vacuum Double Drum Dry'er, 6" stainless steel rolls.
1—Buffalo Foundry 32"x72" Double Drum Atmospheric Dryer, new drums with screw conveyor, drive and flaker.
2—Day 12"x32" 3 Roll Roller Mills, Motor Driven.
1—J. H. Day 5"x12" Three Roll Mill, motor driven.
2—Stokes Rotary BB Tablet Machines.
5—Stokes, Colton, Mulford Single Punch Tablet Machines, 3B, 3D and "F".
3—Tyler Hummer Screens, 3' x 5', 4'x5'.
3—Hardinge Ball Mills, 4½' x 24", 4½' x 16", 2' x 8".
7—Pebble Mills, 50, 100, 325 gal.
2—Moss Colloid Mills, Stainless Steel, 3 H.P.
1—600 gal. Copper Water Still.
5—Copper Vacuum Pans, 30", 42", 48", 5' and 6' dia.
1—Portable Revolvator, 1800 lb., motor driven.
1—Day 600 lb. Jacketed Powder Mixer, motor driven.
2—Copper Revolving Pans, 36" dia.
1—Stokes Gas Fired Hot Air Dryer, 16 shelves.
4—Pfaudler Jktd. Agtd. Kettles, 65, 125, 200 gal.
2—60 and 125 gal. Alum. Jktd. Kettles.
10—Copper Jktd. Kettles, 25 to 150 gal., some agitated.
3—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
1—80 gal. Dopp Jacketed, Agitated Kettle.
1—Copper Varnish Kettle, 175 gal.
2—1,750 gal. Lead Lined Closed Tanks.
1—Lancaster 30" Batch Mixer.
3—Powder Mixers, 100 to 800 lb.
4—W. & P. Mixers, 9, 20, 100 gal.
1—Howes 24" x 12' Powder Mixer.
12—Lead Mixers, 80, 100 gal.
1—Williams No. 1 Hammer Mill.
1—Filler Machine Co. 6 Spout Filler.
1—Progressive Eng. Co. Single Spout Filler, up to 1 gal.
2—Stokes & Smith and National, 1 and 2 Station Powder Fillers.
5—World, Ermold, National Labelers.
1—60 gal. Cast Semi-Steel Autoclave, agitated, 3" wall.
6—Shriver, Sperry' Filter Presses. 36", 32", 30", 24", 18", 12".
5—Shriver Wood Filter Press Skeletons, 24" to 42".
4—Sharples No. 6 Centrifuges, open Lab., and Presurtite.
3—De Laval No. 300, 600, 700 Clarifiers.
1—Tolhurst 40" Suspended type, Bottom Discharge Centrifugal, solid basket, M.D.
5—Tolhurst 32", 40", 48" Self Balancing Type Centrifugals.
3—Buflovak Vacuum Drum Dryers, 48" x 40", 5' x 6'.
3—Atmos. Drum Dryers, 4' x 9', 5' x 7', 5' x 6'.
6—Copper and Steel Vacuum Pans, 50 to 750 gal.
2—Swenson Continuous Crystallizers, 24" x 30'.
3—Read 100 gal. Double Arm Steam Jacketed Mixers, practically brand new.
1—Day Imperial Double Arm Mixer, 30 gal.
2—60 125 gal. Alum. Jktd. Kettles.

SPECIAL OFFERINGS!

1,800 ft. of Lamson & Matthews Heavy Duty Roller Conveyor, 22" to 26".
10—12" Belt Conveyors, 20 to 50' centers, built to specifications
800 HP of Motors, 10 to 150 HP, Westinghouse, 3/60/440 volt, 440 to 880 RPM.
4—Rotary Kilns, 8' x 100', 9' x 70', 9' x 65', 6' x 60'.
1—Hersey Rotary Dryer, 5' x 30'.

Partial List only. Your inquiries solicited. Send us your lists of surplus equipment.

BRILL
Equipment Co.

225 WEST 34th STREET
NEW YORK 1, N. Y.
BRyant 9-2040
Warehouse—2401 3rd Ave., Bronx, N. Y.

FACILITIES OFFERED

Available oil blending plant—complete facilities, large bulk-packaging capacity, laboratory control and storage space—10,000 square feet, located in metropolitan New Jersey—interested in volume commission work. Address reply to OPD 612.

FORMULAS WANTED

Wax formulas wanted. Foreign wax manufacturer will buy proven formulas for Carnauba substitutes for paste and water emulsion types of floor waxes. Also Carnauba and other natural wax substitutes for any other use. Please write to OPD 571.

MATERIALS WANTED

Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 561.

Wanted for export: citric acid, saccharine powder soluble, trisodium phosphate commercial paradichlorobenzene crystals, glucose liquid, cornstarch powder, tapioca flour grade A, carnauba waxes, cape aloes, crude papain, peanuts shelled, parsley screenings or non-germinating. OPD 606.

FOR SALE

Stainless Steel Tanks—new—100 and 200 gal. dished bottoms with stands.
Steam-Jacketed Kettle 9' dia. 5' deep with agitator (new).
Copper tank with agitator and coil 66" dia. x 7' high.
2 International Centrifuges, Size 3, Type F.S., Stainless Steel with Motors & Starters.
Copper Evaporator with Stokes Condenser.
Shriver Filter 24", open del., 25-plates, cast iron.
1 Stokes and 1 Devine Vacuum Pump.
2 Copper Percolators.
Stainless Steel Vert. Tank 7' dia. x 10'.
Colton Pill Machine with Dies.
Sterilizers or Pressure Cookers (new), 18" x 18" on steel legs with gasoline burner, clamp down cover, safety valves and gauge—$75.00 each.
Electric Immersion Heaters, 115 V. 550 Watt (new), $15.00 each.
Stainless Steel Pumps (new) with General Electric Explosion-proof Motors.

H. LOEB & SON
4643 LANCASTER AVENUE — PHILADELPHIA 31, PA.

REMOVAL SALE

Large stock Brooklyn warehouse. All equipment priced low to save moving expense.

PHONE—WIRE—WRITE

1—Chrystie 80"x45' Rot. Dryer.
1—Oliver 8'x10' Rot. Vac. Filter.
1—Hardinge 6'x48" Conical Mill.
1—Tube Mill, 5'x15'.
2—Dorr 15' Bowl Classifiers.
1—Sturtevant 36" Rock Emery Mill.
2—Batteries (9 & 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
1—No. 6 Sharples 2 H.P. Centrifuge.
2—Adamson 6" Extruders.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
1—150 gal Copper Jack. Kettle.
800-ft. Ball Bearing Roller Conveyor, 12" & 15" wide, 10-ft. lengths.
12—Filter Presses, Iron, Wood and Rubber 18" to 42" sq.
1—Shriver 7"x7" Lab. Filter Press.
3—Tolhurst 26" & 40" Centrifugals.
5—0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
12—Vert. Jack. Agit. Kettles & Autoclaves to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—30, 35, 75 & 250 gal. closed, agit. jacketed Copper Kettles.
1—Dopp 50-gal. Jacketed Kettle.
16—50 gal. Steel Tanks, Nettco Drives.
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. Spiral Mixer.
1—Howe Barrel & Bag Packer.
2—4,000 gal. Acid Proof Tanks.
2—Devine Horiz Vac. Pumps, 8"x6"x4"x6".
2—Wall Vac. Pumps, 4"x2½".
1—Devine Vert. Condenser.
1—Oliver 14"x8" Duplex Vac. Pump.
1—Penn Vac. Pump, 14"x5".
1—National Acme Model C20 stainless steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
2—Rotary Screens 18"x72".
6—Attrition Mills & Disc Grinders up to 22".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4. Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers to 60 gals.
4—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neil 20" Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

Write for Complete Bulletins
We Buy Your Surplus Machinery

STEIN EQUIPMENT COMPANY
Department E
426 BROOME ST., NEW YORK 13, N. Y.
CANAL 6-8147

FOR SALE

1—Raymond 5-roll high side Pulverizer.
2—4 x 8' Atmospheric Drum Dryers.
2—Oliver Filters: 5 x 4 and 6 x 6'.
1—30" Johnson 42-plate rec. Filter Press.
1—3 x 15' direct heat Rotary Dryer.
1—24" Mikro Pulverizer belt drive.
4—Lead Lined Tanks, 400-1000 gallons.
1—Buflovac 10 gal. Jack. Autoclave.
2—24 x 48" Vibrating Screens (New).
1—40" Tolhurst self-centering Centrifugal.
1—10x20x12" Union Dry Vacuum Pump.
12—60 gal. D.&T. Lead & Color Mixers.
1—No. 5 Sweetland Filter.
4—Water Stills: 10 and 25 G.P.H.
3—3-roll Mills: 18 x 40 and 12 x 36".

What equipment have you for sale?

LOEB EQUIPMENT SUPPLY CO.
909 N. Marshfield Ave., Chicago 22, Ill.

DE LAVAL

Industrial Centrifugal

Model A-00
10 h.p. Explosion Proof Motor
220 volt—3 phase—60 cycle
Automatic Controls

STOKES

Stainless Steel Vacuum Still

Jacketed
50 Gallon Capacity

EMSCO EQUIPMENT COMPANY
EMIL A. SCHROTH, Owner
41 HYATT AVE., NEWARK 5, N. J.
Phone: Mitchell 2-3536

Hard To Get Machines

1—World model CH labeler—"vacuum type"
1—Day "Jumbo" jacketed mixer—170 gal., aluminum const.
4—Alsop scientific U. S. Disc filters, 3-6-10-14 plate
1—Kiefer 6 spout vacuum filler—MD
2—Stokes & Smith and Day auger type powder fillers
2—Devine & Stokes 3x12' and 3x18' rotary vacuum dryers
2—12x12 and 18x18" iron and wood filter presses
6—Vacuum stills—5 to 3,500 gal.—alum. and copper
2—Stokes T tablet machines
4—Stokes, Devine, Beach Russ. Vacuum pump—6 to 225 CFM
30—Alum., copper and stainless steel tank & kettle—10 to 1,200 gals.
1—Link belt portable elevator—42"x20'—MD

600 MISC. ITEMS—SEND FOR OUR LATEST BULLETIN

Chemical & Process Machinery Corp.
146-8 Grand Street New York 13, N.Y.
Tel. WOrth 4-2139

LIQUIDATION

MACHINERY, EQUIPMENT, LAND, BUILDINGS, SUPPLIES

LARGE CHEMICAL PLANT

Equipment so diversified adaptable for many broad varieties of Chemical and Industrial Plants and processes.

MAIN ITEMS

4—84" dia. RECTIFYING COLUMNS—1-all copper, 15' high, 15 plates; 2-all copper, 23' 6" high, 28 plates; 1-steel, 30' 8" high, 9 plates.
15—54", 48", 42", 40", 30" and 24" copper COLUMNS.
With above: Still Pots, Piping, Condensers, Pre-heaters, Calandrias, complete Foxboro Instrument Panel, etc.

1—Copper TRIPLE EFFECT EVAPORATOR, vertical tubes, 2000 sq. ft. per effect.
46—CONDENSERS, 43-¾"x8'7" steel shells, 150 1-½"x7' l. copper tubes.
2—ALUMINUM horizontal TANKS, 7' 3" dia x 34' l., 10,500 gal.
3—COPPER TANKS, 8'x10', 3760 gal.
2—STEEL TANKS, 1-20 dia. x 25' high, 58,000 gal; 1-16' dia. x 20' high, 30,000 gal.
30—STEEL TANKS, horizontal and vertical, 22,500 gal. to 1200 gal. Ask for list.
18—Ceco motor driven BRONZE CENTRIFUGAL PUMPS, 2½x2; 6½x1.
11—STEAM PUMPS, 20x14x16 to 4x4x5.
1—680 KW NORDBERG UNAFLOW ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.
1—200 K.W. Allis Chalmers ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.
1—750 K.W. NORDBERG ENGINE GENERATOR SET, non-condensing, 3/60/480 volts.
1—Baldwin 27 ton Saddle Tank LOCOMOTIVE, std. gauge, 6-wheel.
1—Amer. Consolid. 62 ton LOCOMOTIVE, std. gauge.
1—Baldwin 57 ton. LOCOMOTIVE, std. gauge.
4—6000 gal. ARA steel TANK CARS.
1—Fairbanks TRACK SCALE, 42' long, 200,000-lb. capacity.
1—No. 450 KELLY FILTER, iron leaves, hand-operated.
2—No. 6 Mitts & Merrill HOGS, with 150 H.P. slip ring motors, 3/60/440 volts.

CHEMICAL LABORATORY COMPLETELY EQUIPPED

SAW MILL COMPLETE UP-TO-DATE PLANING MILL

1—O & S, std. gauge, 8-wheel Steam LOCOMOTIVE CRANE, 36' latticed boom, ¾ yd. clamshell bucket.
2—10 ton and 1-6 ton, hand BRIDGE CRANES, 45', 38', 21' span.

MACHINE SHOP—Lathes, Bending Rolls, Shaper, Planer, Milling Machines, Emery Grinders, Power Hack Saw, Drill Presses, Pipe Machines.

ELECTRICAL EQUIPMENT: 10 TRANSFORMERS, 250, 200, 75, 10 K.V.A.

Large number of MOTORS, 1 HP to 150 HP, 3/60/440 and 2300 volts, induction and slip ring. Send for list.

106—80,000-lb. Wood Frame FLAT CARS.

Approx. 14 miles of standard gauge 56-lb. and 45-lb. RAIL.

Iron, Brass, Copper, Aluminum PIPE, FITTINGS, VALVES, 1" to 12".

MISCELLANEOUS

60—Retort-Coolers, steel plate. Complete Charcoal Iron Blast Furnace.
Air Compressors, Speed Reducers, Double Arm steel Drum Cleaner, Buffalo electric Barrel or Drum Filler, Recording Instruments.
Miscellaneous: Large assortment of tools, wrenches, hammers, drills, torches, jacks, reamers, hoists, fans, valves, fittings, bolts, nails, railroad car supplies, shafting, pulleys, hangers, belting.

ASK for your copy of PRINTED CIRCULAR listing everything in detail.

WIRE — PHONE — WRITE
All Inquiries to

NEWBERRY
MANUFACTURING COMPANY

P. O. BOX 295
NEWBERRY, MICHIGAN
Telephone: Newberry 16

Business Wants

MATERIALS WANTED

Will purchase entire output of coal tar or water gas tar. Have facilities for immediate removal and storage. Address OPD 568.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities, all kinds. Particularly interested in gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 570.

PLANT WANTED

Paint Plant wanted, New Jersey or Pennsylvania, small, buy or lease. OPD 595.

POSITIONS VACANT

Export assistant: Chemical exporters require young assistant to executive. Thoroughly experienced chemical buying; good salary, excellent prospects. OPD 564.

Resin Chemist: A small progressive concern situated in the New York metropolitan area offers an opportunity for a young chemist with laboratory and development experience in the synthetic resin field. Give detailed experience and salary desired, also enclose recent snapshot. OPD 599.

Chemist Alkyd specialist, must have alkyd production experience, excellent salary and opportunity, state experience fully, also salary. OPD 601.

FOR SALE

3—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill.
2—Practically new 750 gallon Porcelain lined Pebble Mills.
3—32 in. x 36 in. PEBBLE MILLS.
10—1000 gallon steel square storage tanks
10—2000 gallon size square storage tanks
5—9 in. x 24 in. motor driven roller mills
Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
50 CHURCH ST., NEW YORK 7, N.Y.

SPECIALS

1—Oliver 8'x1' Rotary Filter
2—Steel Jacketed Kettles, 1,500 gal., with agitators
1—Black & Clawson Double Drum Dryer, 28"x60"
1—Hydraulic Press, 12" Ram, 200 Ton capacity, with Pump
2—Stokes Rotary B Tablet Machines
1—Karl Kiefer 18 Stem Rotary Vacuum Filler
5—New Stainless Steel Tanks, 100 to 500 gal. capacity
1—Ceramic Suction Filter, 90 gals.
1—Devine Surface Condenser, 53 sq. ft.
1—Devine 52 cfm Vac. Pump, 3 HP motor
1—Impregnator unit, 50-gal. capacity
1—3-Shelf Devine Laboratory Vacuum Dryer

Send for our latest bulletins

We Buy Your Surplus

MACHINERY & EQUIPMENT CORPORATION (of N.Y.)
333 West Broadway New York 12, N.Y.
GRamercy 5-6680

LIQUIDATING

1—500 gallon Devine High Pressure Autoclave.
1—Dopp Steam Jacketed Mixing Kettle.
5—Copper Steam Jacketed Mixing Kettles.
3—Paterson Silex Lined Pebble Mills.
1—5000 gallon Steel Storage Tank.
30—High Pressure Water Tube Boilers from 250 H.P. to 600 H.P.
3—Turbo Generators, from 400 K.W. to 2750 K.W.
4—3000 gallon Steel Pressure Tanks.
75—Ton Cast Iron Pipe 8" to 18".
4—Permutit Water Softeners.
1—500 gallon Steam Jacketed Copper Kettle.
4—H & T Water Filters, 8' x 20'.
1—Nash No. 1 Engineering Pump, Type 980.

***Republic* TEXTILE EQUIPMENT COMPANY**
40 Worth Street, New York 13, N. Y.
Phone: COrtlandt 7-1591

POSITIONS VACANT

Wanted—Salesman for Middle West territory to sell raw materials to paint and varnish, insecticide, chemical and allied industries. Chemical education and sales experience in the above lines preferred. Good future. OPD 609.

Chemist, able to manufacture fine chemicals and pharmaceuticals wanted for partnership with experienced chemical salesman. Someone willing to start in a small way and build our own business. Must be located metropolitan New York area. Write OPD 613.

POSITIONS WANTED

Technical Director 18 years' experience in development and production of protective and decorative coatings including pigment dispersions, resin emulsions, wax finishes, ethyl cellulose, lacquer emulsions, desires position with progressive firm. Age 40. Chicago area preferred. OPD 593.

Chemist, experienced processing pigments for textile printing. Know application of textile chemicals, finishes, and coatings. Also paint formulation and production. Harvard and M. I. T. educated. Married. Age 38. New York area preferred. Now employed. OPD 600.

Production and development Chemical Engineer, 20 years experience, offers complete planning and research program for new product development. Can organize and operate large plant. Consulting work or steady position desired. Write or wire. OPD 596.

Chemical Salesman, ten years experience, well-connected in drug, chemical, textile, cosmetic and pharmaceutical industries in New York area desires new connection with possibilities for further advancement. Available immediately. OPD 597.

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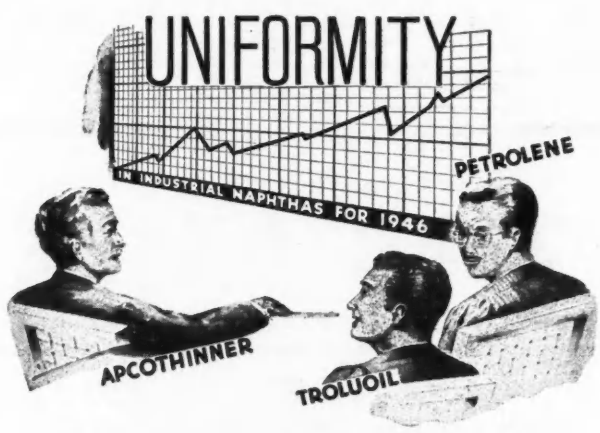

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